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S. B. Ruth
1968-1971

General Index

Journal

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1969 Calif: Mariposa , Santa Cruz, Marin, Sonoma Cos.
Calif: Kern, San Bernadino, Riverside, Imperial, San Diego Cos.
and Arizona: Yuma area

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1971 Calif: Kern, San Bernadino, Riverside, Imperial, San Diego Cos.

Species List

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1968 Calif: Trinity Co.

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March 21 3 mi. E. Burnt Ranch, Hwy 299, Little Bidden Creek, Trinity Co., Calif.

We arrived at this locality given to us by Bruce Berry at 1:00. Little Bidden Creek is marked by a sign beside the roadway. There is a pullout here. The creek is very steep and of modest size. At the roadway it passes under the road through two large pipes. Bessie and I donned hip boots and literally climbed up the stream. Bruce had told us to bring a hoe to scrape through the fine rock talus and leaf litter at and within a short distance of the water level. I used my snake stick for scraping. At 1:10 I uncovered an *Ancides flavipunctatus* under leaf litter beside and almost in the stream. It squirmed about rapidly trying to work its way into the loose rock and litter. Many small arthropods ~~and~~ larval plecoptera and adult trichoptera are in the area. The arthropods are on the undersides of leaves at the waters edge. The creek is very rapid. At 1:15 an

March 21, 3 mi. E Burnt Ranch Hwy 299, Trinity Co., Calif.

adult *Ascaphus truei* was uncovered and captured as I moved rocks about in the talus. Its white belly and squirming gave it away. Had it remained still it would have been difficult to spot amound all the small rocks. This individual was found at the waters edge about 25 yards from the roadway.

A *Taricha granulosa* was captured at 1:25 under leaf litter on top of talus about 3" above the water on the bank of the stream. The stream is cool. The soil is very rocky. I poked the newt rather sharply in uncovering it and as a result it went into a typical defense posture. If left alone for about a half minute it would come out of this posture and begin to slowly move about but at the slightest touch it would resume this defense reaction. A second rough-skinned newt was found in a similar situation at 1:36.

At about 1:55 600-700 feet from the roadway I found my first Olympic salamander (*Rhycotriton Olympicus*) in the creekside talus at the waters edge. Upon being disturbed it began to flip flop about

March 21 3 mi. E. Burnt Ranch, Hwy 299 Trinity Co., Cal.

rapidly moving toward the water attempting to escape. They are rapid moving and one has to be quick to box them in and block their route to the open water. Six more Rhycotriton were found beyond this point in the space of about a half an hour. All were found in fine talus at water level beside the stream within about 2 or three inches of the rapidly flowing stream. One large larva Rhycotriton was found. It had a very large laterally flattened tail and gills. I have been carefully looking on moss covered rocks and logs in the splash zone for exposed salamanders but I have not seen any. Another Aneides flavipunctatus was uncovered at the waters edge but it escaped down a hole in the bank. While working up the creek I have been concentrating on the right hand side of the creek. comming back down I concentrate on the left side. I found several more Rhycotriton but as I have enough I did not bother collecting them. Bessie found a Hyla regillia hopping about in the dry grass about 50 feet

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from the creek. When I had worked down to within about 150 feet of the car I suddenly uncovered 4 Ascaphus in a space of about 5 feet beside the creek. There were in leaf litter and rock talus covered with berry vines and the fourth was on the bank of the creek. One Rhyacotriton was found in this area also - about ~~500~~ 400 feet lower than the area in which all the other Rhyacotriton were found. A large, what appears to be a yellow legged ~~frog~~ frog with pale yellow on the ventral surface of the legs was found at 2:30. It was off to the side main area where the stream had spilit. It was on rocks covered by a very thin film of water where the

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March 21 3 mi. E. Burnt Ranch, Hwy 299, Trinity Co., Ca

water run down a spillway type arrangement. All of the adult *Ascaphus* captured seem to be ♂'s while several of the immatures are ♀'s. I crossed the Highway and made my way down the bank to where ~~the~~ Little Bidden creek empties into the Trinity River. I caught several more Yellow legged frogs and one adult and one immature *Ascaphus* on this lower side of the creek. The *Ascaphus* are found right in the ~~the~~ rock at the waters edge and in debris while the *Rana* are found on large wet rocks in or beside the creek. One was captured swimming in the current at the mouth of Little Bidden Creek. I packed the Rhyacotriton on Ice and we left at about 3:45.

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Jan 31 On the way to Briceburg Mariposa Co., Calif

Am on my way to Hydromantes Bruns country with R.C. Stebbins and Nate Cohen in a U.C. car. I went to Stebbins' house at about 6:00 this morning. To get to the Hydromantes site thus far go to Hwy 99 and take the Yosemite, Mariposa turnoff. At 10:25 AM we got into Mariposa. 1'st spot about 1/4 mile up the road from the big HI sign on the road. Pull out on the left of the road water coming down a small creek. Snow partially melted away from the N-NE facing slope. Stebbins calls this cascading creek N. Bear creek. Nate found a Hydromantes on the sunlit N-NE slope About 100yds from where the creek goes under the road. At about the same place a western Fence Lizard and a Sierra Newt were also found. All were found under shale rocks. The Hydromantes was in a crack in the rock. It was a nice ♂ about 2 1/2" sv. The time is now 17:30. The Hydromantes

was found at about 11:45. The temp in the shade at the side of the car 1/2" above the ground was 40.

Jan 30 Bricebarg, Hwy 140, on way to Yosemite, Mariposa Co., Calif

Stopped here after eating lunch and looked around until 3:30 PM - In all we caught 2 more Taricha.

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Jan 30 Bricebarg Hwy 140 Mariposa Co., Calif.

Taricha sierrae, 2 adult, 1 subadult, and 2 juvenal Ambystoma lugubris. Also we found 3 Batrachoseps attenuatus. I found several caves along an old roadway just before the bridge over Bear creek but did not find anything inside. We are now on our way to Aptos for Ambystoma ... both tigrinum & macrodactylum.

Jan 30 Valencia Lagoon, near Rio del Mar Furnoff Hwy 1 Santa Cruz Co Calif.

About 9:00 PM Nate Cohen and I drove out to Valencia Lagoon while R.C. Stebbins turned in early because of contractions in his lower gut. Mostly Nate wanted to see where the lagoon was. We heard many Hyla

singing in a loud chorus but a quick search didn't turn any up so we soon left to return to the motel.

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Feb 1 Ellicott Station off Buena Vista Road Santa Cruz Co. Calif.

About 1 mile off Highway 1 on Buena Vista Road R.L. Stebbins driving spotted a single Hyla on the wet roadway. I picked it up. It was quite cold. There is a heavy fog. The windshield washers are going most of the time.

Feb 1 Valencia lagoon, Rio del Mar turnoff off Hwy 1 Santa Cruz Co. Calif.

We came in the back way to Valencia Lagoon at about 7:45. We spent quite a bit looking around and left at about 8:45. We found maybe 30 Hyla but no Ambystoma. Many egg masses were found but they were probably all Hyla. The lagoon is quite large but is probably no more than 3½ feet deep at its lowest point. Under a 2x3 foot piece of wood on the edge of the lagoon I found about 12 Hyla.

Feb1 1.6 miles S. Henry Cowell State Park Hwy. 9
Feb1 Santa Cruz Co. Calif
We stopped again at a spot named Sycamore Grove camp on Hwy 9 out of Santa Cruz. This looks like an old tumbled down resort area. Sycamores were the main tree. Alders near the river, Redwoods & Doug Fir on the slope above the area. Bay and Coast live oak were also present

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Feb1 Sycamore Grove Camp 1.6 mi S. boundary of Henry Cowell Redwood Park Hwy 9 Santa Cruz Co. Calif
We left this locality at 9:50 AM for Brookdale. We found many Ensatina eschscholtzi xanthoptica e. e. oregonensis. Also found Ancides lugubris and Batrachoceps attenuatus in good numbers. I found one small (3/4") Ancides flavipunctatus niger. There were about 40 fishermen in the area all after steelhead. There was quite a bit in the way of surface litter to turn in the way of boards and logs. We collected several tail autotomizing slugs for a zoo 170 demonstration. The sun is not shining

and there is a high fog. The ground was covered with leaf litter and was saturated with water. Nate found two adult Arcides lugubris under leaves up against the trunk of a tree. We stopped at this area at about 9:00 AM. These Arcides lugubris have much more of a brown tone to them ~~than~~ compared with those we found at Brice burg yesterday which were a deeper purple black color.
The Arcides lugubris that Nate found were just under leaves not under a stuck or board. One which he had picked up was squeeking. The other was right up against the base of a sycamore tree

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Feb 1 Clear Creek Rd. 3 miles off Hwy 9, Brookdale, Santa Cruz Co., Calif.
We arrived here at about 10:30 A.M. The sun broke through the cloud cover and the sky was clear. The creek was quite high and we were not able to find any Dicamptodon larva. I found about 6 Arcides flavipunctatus niger all close to

the water in leaf litter and loose rocks. Some right in seepage. Several more Ensatina and several Batrachoseps were located near the ~~water~~ creek. We left at 12:00 to go get lunch and go on. This is a Redwood forest region. The rocks are granite.

We left Clear Creek and drove up to Marin Co. We stopped on Skyline near Pacifica to look for the San Francisco garter ~~snake~~ snake. We also stopped in Marin Co on San Geronimo Rd near a Golf Course. Here we found Ensatina but no Bufo or Rana which we wanted. On Hwy 1 out of Tomales Bay we stopped at Bay Ranch. 8 miles from Walker Creek. Here we asked a woman if we could hunt for toads. We stayed until nightfall but did not find any. We did find many slender salamanders and some Tree Frogs. We stopped at Bay Ranch because we saw a dead Bufo on the road

Feb 1 Hwy 1 Tomales Bay to Petaluma.

very near the door to their property. At dusk we got back into the car and began to drive towards Petaluma hoping to find a <u>live</u> toad on the road. The Tomales, Petaluma turnoff on Hwy 1 will be used for a reference point. The mileage there is 82.3. At 86.1, 87.8, 87.8, 88.1, 94.2, 94.2 dead toads were seen on the road. After this we saw perhaps another half dozen all flattened. At two Rocks Army base we saw a live toad on the road but just as I was going to get it a car drove by and ... yep - squoosh! Ugh! We drove on into Petaluma for dinner and then out again to this two Rocks Army base and went a few miles out the road to Novato but didn't find any live toads. In a field just south of the army base was a huge field that was flooded. There was an enormous chorus of the frogs here. I found it easiest to

pick up eye shine if I swep my light several times over the same area - sort of to attract the frogs attention.

"Oh Bufo boreas, you are ~~notorius~~ notorious, looking for you is laborius, finding you would be glorius."

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Feb 2

Dr Stebbins got Nate and I out of bed at 7:15 (very late!) this morning. We had breakfast at Beasly's cafe in Petaluma and then drove on up to Skaggs Springs for some herp hunting.

Feb 1 Skaggs Springs, Sonoma Co., Calif.
We stopped about 2 miles S.W. of Skaggs Springs at mileage 81.9. Here on a clear cloudless day we found many Ambides flavipunctatus, several Ambides lugubrious, several slender salamanders, a couple of Fence lizards + 2 alligator lizards. There was frost on the ground as as we drove into the canyon but by 10:00 AM it had melted off.

Again at 84.3 we made a stop on the way out to the coast and Stebbins got 2 *Aflaviguttatus*, 2 *A. lugubris* and a *B. attenuatus*. Cohen got nothing. It is now nearing 11:00 A.M. We are desperate for *Bufo* and *Rana*. There are many sheep in this area. This whole area is soon to be under water as a dam is being put in. We are keeping all specimens collected as they would all be dead soon in any case. Possibly we can get a population structure and ~~an idea~~ good series of animals for the MVZ collection.

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Skaggs Springs Road, Sonoma Co., Calif

Feb 2 Out of Skaggs Springs on way to Coast

The *Ancides flavipunctatus* were most numerous on a sunlit rock strewn hill side. The area under the rocks was for the most part rubble. The ground was quite moist. Nate has kind of a pick Maddock tool that is quite good for turning things. Our chat in the car centers around

man's rape of the environment.
This morning though we talked about anthropomorphic words in the vocabulary of a naturalist. At 89.0 miles we are stopping to get a shot of the canyon + valley below + behind us. Maybe someday later on there will be a chance to get an after shot of the waterfilled area.
R.C.S took a series of shots here. shot #1 looking N.E at Mt St Helena (snow covered) This is the Stewarts Point Road. The other shot cross canyon to the north showing erosion on the hillside + all of the downed trees. - cause effect!?
I got a shot of Nate + another of the professor here.
90.0 miles time is 11:15 we were just at Las Lomas for a coke.
An old codger was inside + said the water from the dam probably wouldn't get up this far. The inside of the shack was unique. Knick knacks.

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Feb 2 9.7 miles W. Lot homes Skaggs Springs
Stewart Point Road, Sonoma Co., Calif
11:25 93.5 miles about 1,000
feet above the canyon bottom we
found an immature Taricha rivularis
crossing the road - Towards the canyon bottom due N.
93.7 We pulled over to the side
of the road to look for Taricha
rivularis. We found many other
Taricha between 11:30 and 1:00.
We probably hit these on the
first day of emergence but now
it has warmed up quite a bit.
None of the Taricha were in
grassland. All were under bay
& oak trees. They move over
the bay oak leaf litter. Most
of those on the surface, of which
there were many were oriented
at a right axis to the sun.
Light - photoperiod nothing to do
with anything in nuts. Seemed
to find packets of newts. Several
times we found 4, 5 newts all
together. 1st group was adults; 1

sub adult. Area heats up & newt pocket takes off. They don't go anywhere but go to the nearest stream. Don't move along stream as this would be rough on the newt in the case a storm came along. Find stream ~~[illegible]~~ rivulet depression & then go down depression. Newt must be using

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Feb 2 Skaggs Springs Stewart Point Road
Sonoma Co., Calif.

Sun to some extent. Orientation at rt. angle to sun. May be getting nerve ending stimulation due to warming. Eyes may not be essential to orientation. Maybe newts are being imprinted during the day & have kinesthetic sense which they are able to use to orient at night. Twitty's workers say olfaction is the main orientation sense. How can this be? Evidence seems olfactory nerve get no orientation. Blind - can get orientation. Another ~~important~~ point is that none of the newts were found in the water.
05.6 miles is the juncture of of Annapolis Rd and Skaggs Springs Rd.
I found one newt a yard from a small rivulet.

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May 2 Trip en route Southern Calif.

9:40 DST AM see a white tailed kite hovering near the W. end of a bridge over the San Joaquin River. The area is still quite flooded. There are no clouds in the sky but it is hazy. We are on the Modesto cut off from Hwy 580. San Joaquin Co., Calif. Several small birds were flying nearby. The kite had the wings lowered in the quick view I got. front view The bird was between 30 and 40 feet off the ground. There is a light breeze blowing with occassional gusts.

On a Herp 165-107 collecting trip Berkeley - Yuma. I am with Dr R.C. Stebbins on this trip but we are saddened that his old buddy (young buddy)

Nate Cohen was not able to make the trip this year at the last minute. We left Berkeley this morning finally at about 8:30 A.M. -

Farmers in the San Joaquin Valley are out in numbers plowing and tilling their fields.

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May 2 Desert Trip Berkeley - Yuma
Joe Gorman Annville locality
S. of Keene Kern Co., Calif. Mileage
506.4. Clear and sunny - soil near stream is wet. There is snow on the Tehachapi's, the grass is green. We walked up the canyon E. of the Hwy turning logs and rocks but had no luck. R.C.S. did find a glow worm a yellow and black insect grub-like in appearance with heavy plates on the dorsum. It is said to eat millipedes. The mileage to the first street light in Tehachapi,

is 5/0.7 so the Manilla locality is 4.3 mi. N.W. Tehachapi. It was rather cooish out. A moderate trickle was running in the creek bed. We stopped there about 45 min and left at 3:45 PM.
RCS observed Uta stansburiana & Sceloporus occidentalis

May 2 13.1 mi SE Tehachapi 5 mi W Mojave Kern Co Calif

looked for Xantusia vigilis under Yucca logs from 3:55 - 4:25 PM. breeze blowing. R.C.S found 3 and I got 4 for a total of seven X vigilis the ground is cracked and grass is growing giving the lizards many places to wiggle off and hide once the log is rolled. I missed catching 4 other Xantusia

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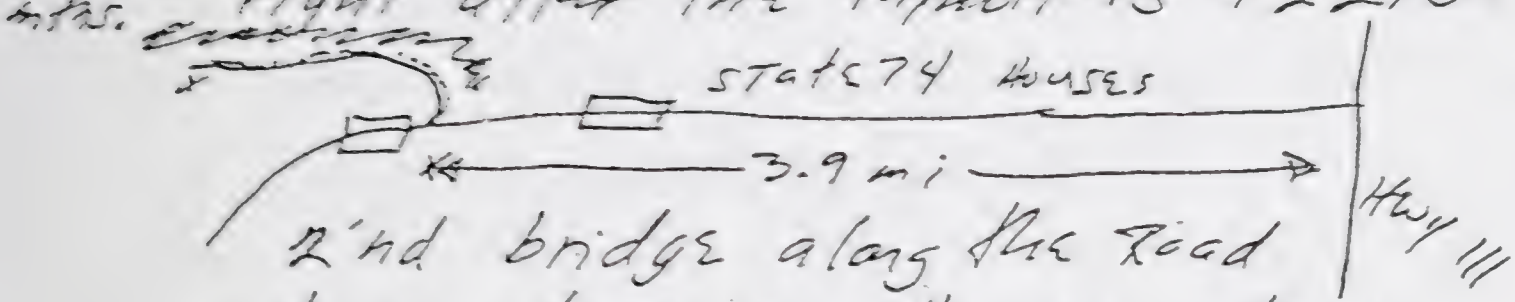
May 2 5 mi. W. Mojave Xantusia site Kern Co., Calif May 14.
RCS found a juvenile Sceloporus magister on the ground under a yucca log. There is some live stock grazing in the area according to signs but we saw only their sign. The desert ahead of us

is a very depressing site due to the build up of smog from the Los Angeles area blowing. RCS says the air here used to be crystal clear. The yucca is beautiful with its needle sharp spires crowned with a raceme of large white blossoms.
We are now going to head for Victorville and the Old Woman Springs Road.

May 2 <u>Night driving Old Woman Springs Road.</u>
See <u>Rhinocheilus</u> <u>lecontei</u> on the road at 8:15 PM. It was hit by a car just as we stopped our car to jump out and get it. The mileage is <u>666.9</u>. There is a gentle breeze - not as hard or as cold as earlier the road is warm.
679.0 8:40 PM junction Old Woman Springs Rd and 29 Palms Rd.

May 2 <u>Desert Trip Yuma - Berkeley</u>

Spent the night off the Palm Desert - Hemet Road after nightdriving some and not finding anything. We are in the car and ready to go get breakfast 7:05 Am (May 3) Full moon tonight and windy. wind blowing even in down town Palm Springs. No wind here though. Mileage at entrance to campsite is 938.1 the bridge which is right after the turnoff is 92215.



2nd bridge along the road mileage at Junction Hwy 111 742.0
The Palm Desert Hemet Road is State Hwy 74

We drove out to Garnet Dunes but it was much too windy and cold to catch any animals. We pickled the <u>Rhinochcilus</u> <u>leiontei</u> that we found DOR last night. It measured 26½" S.V.

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May 3 Desert Trip Berkeley - Yuma

951.8 Intersection Vamer and Ramon Roads. Riverside Co. Have been talking about creosote and how well adapted it is to a rugged environment. Hold in awe and respect says RCS I quite agree - heat, sand, browsing, water - it withstands all. We came across from Palm Desert on Rte Del Sol. The sand is drifting again in this wind tunnel. Maybe the desert will win out over man the invaider & destroyer.

825.6 Stopped about 1 mi. N. Junction Hwy 78 and 86. Collected about 1½ hrs. Left 12:25 PM. We caught 3 Uma notata and 1 Callisaurus draconoides. We are in a wash - hard pan area with scattered dunes. There are some cirrus clouds in the sky. It is ~~the~~ not too hot, a breeze

is blowing and the sky is hazy. Both of us notice the lack of much surface activity and feel that it is probably too cold. We stopped by bridge # 58-113. On the way here RCS showed me Tamarisk a green bush-tree. Very green with juniper like leaves. It has very rugose bark. Another silvery bush is called

May 3 <u>Desert Trip Berkeley - Yuma</u>
smoke tree. I also learned Palo Verde
827.8 Junction Hwy 78 and 86. We
are in Imperial County.

May 3 Laguna Dam out off Yuma.
Met a man named Lowell Leathers
who is a dam tender He talked to
us and showed us the dam where
<u>Sonora</u> is supposed to be found.
He said he would let us on to
the island at 5:30 AM tomorrow
morning (Yawn). Leathers introduced
us to Wallace (Swede) Green

dam superintendent. Leathers
gave us a Key to the dam.
The Far S.E. bank is part of
the old stream bank. The island
attached to the dam was said
to be natural according to Leathers
but Green said it was fill. The
sandy area in a U below the
dam was all grown over with
cotton woods and brush prior to
this fall when it was all cleared.
Leathers home is on the left
side of the road as you come
from the dam just past a small
bar-grocery store. Wallaces
place is right across from the
dam. Leathers said Laguna dam
went in in 1903-1907. Imperial
dam went in 1935-1938. This
area below the dam

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Maps Laguna dam near Yuma.
flooded about once a week in the
old days. (1940's) The pothole area
mentioned in Wright must have

referred-according to Leathers and Green ~~to~~ the mining holes dug by Chinese and mexican laborers. These are shallow holes in an area near (w) laguna dam in a basin ~~ringed~~ limited by arid mountains which are the high bank of the All American canal. ~~The~~ The brushing out for flood control parpases last fall was the first time this clearing had been done. Green says we <u>don't</u> want to camp on the dam because the mosquitos "will eat you alive". Both Greene and Leathers refered to large rattlers "sep long" which are probably <u>Crotalus</u> <u>atrox</u> on the island.

There was also placer mining in the pot hole area. According to Mr Leathers the dam area is the same as it was at the time of slrvin except for the brushing out. Over in the pot holes area each of the small canyons has its own little seep so they are not all dry. ~~Fact~~ To get to Laguna dam best way seems to be to take the Imperial-Laguna dam

May 3 Vicinity Laguna dam Yuma
turnoff 1 mi. E. Winterhaven and
turn on Pizacho Road. Both
Leathers and Green were very
helpful and easy to talk to.
R.C.S. saw a white winged dove
earlier this afternoon on Pizacho
Road. I saw one on Hwy 86
between El Centro and Brawley.
The white wing band and the
black primaries are very distinctive.
Laguna dam people "look the
other way" when people crawl
over the fence at Laguna dam
and maybe "100 per day" go
over on weekends according
to Mr Leathers. The fence was
put up over a law suit
regarding a boy who jumped
to his death into a channel of
the dam from a dam structure.

May 3 Juncture Ogilby Rd and Hwy 86
Imperial Co
Looked in sand hummock area
for lizards for about 45 min.
ending at 5:45 pm. All we
caught was one gravid ♀ Uroscaurus
graciosus which Stebbins found
on the ground under a bush.
it was finally noosed by
RCS with me looking on.
RCS feels that the wind
which was blowing sand

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May 3 Junction Ogilby Rd & Hwy 86 Imperial Co
across the road was the reason
that the Uroscaurus was on the
ground. Palo Verde in the
area is in bloom. The Uroscaurus
was on the road bank maybe
7 feet from the pavement.
Galleta grass is scattered about
in clumps and RCS says Uroscaurus
are sometimes found in that. The
creosote bush is very tall here
reaching maybe 15-20 feet into

the air. Many ~~tiger beetles~~
beetles are out crawling about.
when poked they stand on their
heads with abdomen and last pair
of legs in the air. RCS flushed
out a Lepus californicus (jack
rabbit). The Urosaurus was
caught about 5:25 PM - sun
was low but striking the area
fully. Phrynosoma m'calli tracks
-fresh-were seen but not the
animal.

Night Driving Yuma Area

001.0 DOR very recent both sides.
of road agricultural. One
side grown with Barley. Pituophis
melanoleucus so fresh it was
bleeding. Will make a good
specimen as not badly squashed
just nicked. Time 7:30 PM
wind blowing - sky very hazy.

001.1 DOR skunk-striped.

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1967

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May 3 <u>Night Driving with Jane</u>

001.3 intersection Arnold Rd and Pizacho Roads. We are on Pizacho. Land all cultivated.

003.4 7:35 PM twilight. See two Texas night hawks flying over road and fields near road. Sort of flying & swerving abruptly. Flying maybe 30 feet off the ground. Several others seen. We get up to the American canal and see a whole swarm of night hawks maybe 40-50 or more. All flying about over the water.

009.2 Flood Road

011.7 Turn on Bailey Road

012.3 Turn L at junct Bailey and York.

013.1 L on Mehring Road.

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May 4 Laguna Dam 20 mi. N Yuma Arizona

Got up about 5:15 AM got to dam 20 miles from Yuma Arizona about 5:30. We drove out across to dam and turned left and drove along the island maybe 350 yards long by 80 yards wide. By 7:00 AM we had gotten 5 Leptotyphlops humilis. I found all 5 under rocks on the surface in low places in clearings of tamarisk groves near the end of the island. Refer to R.C. Stebbins species account for more detailed account of this species. It is an overcast day with a slight breeze.

On Laguna dam at 7:45 we see Rough winged swallows (Fra) and Bank Swallows flying low over the water coming out the spillway. Earlier at 5:30 AM we saw many egrets standing on rocks just below the spillway where fishermen now stand. Yellow throats are seen. Several Black phoebes

sly from the bridge rail over
the spillway. At 8:00 AM we
decide there isn't much left
to turn on laguna dam and the
ground is too dry so we decide to go
over to the potholes area.

0b2.2 left Senator wash blacktop along
American Canal. We drove along
the canal talking the clap runoff

May 4 <u>Laguna Dam area Imperial Co, Calif</u>
following it until it dead ended
on the canal just about opposite
Swede Wallacs place. We poked
around in the hills looking for seepages
until 8:45 AM but found nothing.
The sun is just starting to poke
through the clouds occassionally.
At 9:00 RCS preserves the DOR
<u>Rhinochelus</u> and <u>Pituophis</u> we
got last night. Both had been just
hit. The ~~Rhinochelus~~ Pituophis was gotten
.2 mi. S junction <u>Pinacho</u> and Arnold
Roads on Pinacho. The <u>Rhinochelus</u>
was 2.1 mi S. Senator Wash Rd
on Imperial dam Rd., Imperial Co,
Calif.

183.7 2:15PM Jnct Hwy 88 & 86 - going W on 78.
237.2 3:25 P.M Junction Scissors Crossing
240.9 stopping place W of W boundary of Anza Borrego State Park on Hwy 78.
We stopped here about two hours and left at 5:50 PM.
The sky was overcast most of the time but small patches cleared occassionally. We worked the hillside on the south side. The creek bottom was well grown with cat tails. It was 6-8 feet wide and 6-1" deep the flow dividing in places. The slop we worked was strewn

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Mayd W Anza Borrego St. Pk. Hwy 78 San Diego Calif.
with large granite bolders. The slope was 45-60°. We found lizards by working with crowbars peeling away large slabs of exfoliating granite. Mesquite, Barrel cactus, Galleta grass? Spectacle

plant, agave, Encelia sp., creosote bush, cats claw, ocotillo growing on the slope. Phainopepla a silky fly catcher was seen down by the creek. The ♂ is jet black with white outer primaries while the ♀ is a gray brown. Species of reptiles are: 1 ♀ gravid Sauromalus obesus, 1 ♀ Uta stansburiana, 11 Xantusia henshawi, 1 Phyllodactylus xanti, 1 Sceloporus orcutti sub adult, 1 Streptosaurus mearnsi. In one crack between a rock and a massive granite flake SBR discovered 2 Xantusia 1 Streptosaurus, 1 Phyllodactylus and the S. orcutti. They were removed ~~by~~ with the help of RCS. This really made our day. The rock was about 5-6 feet in diameter and the granite flake 2'x3'x 6-8". That was quite a bonanza! All of these lizards were ~~#~~ noosed out of the crack. We had to tease them at times with long stiff pieces of grass to get

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May 4 W. Anza Borrego St Pk San Diego Co, Hwy 78 Calif

them into moosing position. The rock was about 75-100 feet above and 75 yards away from the creek. All of the animals in the crack were captured - they were somewhat cold and sluggish which is probably why they didn't dash away.

2417.8 junction San Felipe Rd and Hwy 78 "Scissors crossing". We turn around and are now headed for Brawley and ?.

We ride down the road from Brawley to Yuma but all we saw was a Dipodyms deserti it was quite cool and sprinkled most of the way.

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May 5 Brawley - Glamis area Imperial Co., Ca.
375.8 Junction Hwy 115 + 78 with S 78
421.6 3/4 mi W. Ogilby Rd on Hwy 8 (Interstate) US Hwy 80. - Collected here for about 3 hrs until 11:50 we were looking for flat tailed horned lizards but did not find any (Phrynosoma m'calli. We captured 5 Uma notata and 2 Urosaurus sp? Huge graciosus or ornatus. They were under large boards left over from the old plank Highway. I got them rather early and they were so cold and sluggish that I was able to pick them up easily. Each was under a seperate plant a creosote bush was about 2 feet away and was partially dead. We saw Dipsosaurus dorsalis later in the morning but they were extremely wary and we could not even get close to them before they ran down a burrow. Callisaurus draconoides

were also observed. I took a picture of *Uma notata* tracks going up the steep sand lee side of a dune.

We drove to the W. end of this dune area to see what it looked like. The creosote was scattered being an average

May 5 Brawley-Glamis Area Imperial Co., Calif.
of thirty feet apart. They were on no or only very slight hummocks. The bushes were of only moderate size going to about four feet in height. The sky is a checkerboard of clouds and blue sky this morning.

4.64.0 3:28 PM just returned from about 2 hours of collecting in dunes 1/4 mi. E ~~Ogilb~~ Ogilbe Rd. on U.S. Interstate Hwy 8, Imperial Co., Calif. We worked a region of scattered creosote bush and sand hummocks. I captured

2 adult Dipsosaurus dorsalis while RCS got two Urosaurus one was graciosus and the other individual looked like an ornatus judging from its barred dorsum. Both of us noosed several Uma notata and Callisaurus draconoides. One of the Callisaurus was a beautiful large adult ♂. Dipsosaurus were still quite shy. There has been very little breeze and it has been fairly sunny with many patches of clouds. I took one photo of a creosote bush and another of RCS putting a Uma in a jar. A jackrabbit was seen. Tenebrionid beetles

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May 5 Brawley to Glamis area
and ants were quite common
464.5 junction Hwy 8 and Ogilby
Rd. 3:48 PM. starting to get
more cloudy. We are driving
over to Glamis.

471.3 4:05 PM <u>Crotalus cerastes</u>
lying stretched out on the dirt road between Ogilbe Rd and Glamis. It is sprinkling. The snake was about 24 inches long. It struck repeatedly as I went to grab it and kept striking after it was in the ground. This region is an extensive, gravelly compacted alluvium. Ironwood and creosote bushes are scattered on each side of the road. The sky is completely clouded here overhead but if I take in the whole horizon it would be about 50% cloud cover. The air temp ½" above the substratum was 22.6 the soil temp with the bulb buried was 25.7. The ground was loose. A slight breeze is blowing.

478.6 4:35 saw a Kit Fox beside the road. It seemed curious and rather bold. Very sparse creosote bush, Ironwood, Galleta grass. Gravelly alluvium as before. Overcast. Ran parallel

May 5 <u>Brawley - Glamis area Imperial Co., Ca</u>
to the road for about 200 feet not in any particular hurry. would stop behind a bush and then ample off seemed almost as an embarrased naive little kid. seemed almost like a keen child painting. Big eyes and almost waiflike. Ocotillo near by. When first seen it was 8-10 feet from the road.

488.0 Junction Ogilby Rd and Ben Hulse highway - highway S-78. Overcast at the Glamis end of the dunes. Time is 4:50 PM.

495.9 the Canal. took for lizards for 15 min back at car 5:28. R.C.S got a <u>side-blotched</u> Lizard. We hear a cactus wren chirping off in the creosote and the <u>very</u> high pitch warning cry of the Round tailed ground squirrel. Lots of lizard tracks mostly <u>Crotaphorus</u>.

509.4 Glamis 7:55 PM.
524.4 DOR Phrynosoma ~~co~~ platyrhinos
8:30 PM
526.0 Glamis again headed south
537.3 8:50 PM. Dipodomys deserti sex on road. Wind has died down. Stars out. Temp. mild.
539.1 9:05 PM. Coleonyx variegatus. Hit by car as we stopped to get it!

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May 5 Glamis, Algodones Dunes, Imperial Co Calif

540.5 9:05 PM - Turned around at a canal. Headed back toward Sand Hills.
543.1 9:20 PM - Coleonyx variegatus at road side. Caught.
548.5 Turned around just E of canal, W side Sand Hills.
548.7 9:47 PM. Coleonyx LOR. Caught.
552.6 10:05 PM " " "
554.1 10:13 PM " " "
~~Road surface~~ temp 16.4°C 1/2" above Road
Substratum of sand at side of road 15.2°C
555.1 10:18 PM - Turned around. Headed E toward Sand Hills.
561.6 10:30 PM. At canal just W of Sand Hills. Turned around. Headed for camp site 1 mi. W.

J. B. Ruth
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May 6 Glamis - Algodones dunes area Imperial Co. Calif
Began driving the road rather early at about 7:00 A.M. Much of the sky is overcast. At 10:15 AM we found a flat tailed horned lizard at 592.0 milage 39.4°C vent temp. ½" above ground bulb shaded 27.9°C Road surface temperature (asphalt) 34.0. Sand temp nearby with bulb buried 39.0. ½" above sand bulb buried temperature was 29.8°. R.C.S. took a photograph of this Phrynosoma m'calli. The animal was on the north side of the road. It was diagonally facing with respect to the road facing S.E lining up with the sun. I felt that it looked thin as the pelvic bones were prominent but it looked and felt ok when picked up. It was lying on the black apron of the road. The sky has cleared up somewhat but there are still many scattered clouds and there is a slight cool breeze blowing. It was a male

At about 9:45 AM we noosed a leopard lizard on the south side of the road. It was up on a rock when first seen but was disturbed and ran perhaps 30 feet down the road embankment

May 6 Glamis Algodones dunes area Imperial Co Calif.

under a creosote bush in a mixed light and shade area at the edge of the creosote bush - sort of a dappled shady area where his coloration blends in quite well. He stopped there and held tight allowing RCS to noose him. No notes were taken at the time as we were anxious to look for *Phrynosoma m'calli* and felt urged to get going as quickly as possible. The *Crotaphytus wislizenii* was quite inclined to bite but was not given an opportunity to do so. We were about midway between the two canals in the dune creosote area

~~South~~ West of the large Sahara like dunes. The creosote bush this animal ran under was 5-6 feet high and quite full and green-tree like.

593.5 10:45 AM ♂ L. m'calli resting against a rock. vent temp 38.3°C. Bulb shaded ½" above asphalt 28.4. Bulb shaded resting on asphalt 33.0 - bulb buried in sand beside the road 46.8. Pictures were taken. The rock the lizard was up against was rounded and smooth with dimensions about 2" x 1½" x 1"

594.4 11:20 AM saw another L. m'calli

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May 6 Algodones Dunes area Imperial Co., Ca.

It was made uneasy by the approach and stopping of our car and ran off the road embankment as another car went by. We were not able to locate this individual. It was at the edge of the fill area on the black apron on the

south side of the road. Both of the two flat ~~horned~~ tailed horned lizards captured thus far this morning were very near the embankment where they could quickly run away and hide. Other than squatting down against the substratum neither of the two captured thus far tried to escape. When they squat down they shut their eyes.

595.2 11:35 A.M. P. m'calli on the north sholder of the road propped up between a dirt clod and a chunk of asphalt

when first seen up on legs making a bridge over the two objects

squatted down upon approach

Eyes open at first were shut when the lizard squatted down. The lizards are probably

May 6 Algodones Dunes area Imperial Co., CA

up on their legs to keep from getting too hot letting the cooler air flow around + under them. RES feels when they do this they are "pushing the limit" so to speak. As the sun is so on and off and it has generally been a cool overcast year they may be trying to get added light and heat may be to make up for lost time. This animal was oriented so it was facing right at the sun. The nearest creosote bush was about 20 yards away and was only about two feet tall. The vent temp was 39.9° C; substratum bulb buried in sand = 47.5°; air temp bulb shaded and 1/2" above the sand varied from 25.7 - 27.0 as the breeze blew gently. There was gravel mixed with sand in large patches nearby which the lizard seems to match better

than the wind blown sand which has been mentioned for this species. The gravel may be from road fill - don't know.

599.3 11:52 at the canal at the W base of the large sand hills we head for Brawley driving faster than before 20-30 mph.

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May 6 Algodones dunes area Imperial Co., CA.

599.7 12:00 AM DST, (11:00 AM solar time), adult ♂ Phrynosoma m'calli cloaca 40.8°C. Substratum 48.4°C. Air 1/2" above ground, cloud cover providing shade (no wind) 28.6-29.8°C. clouds provide 50% sky coverage. Scattered fluffy clouds. Breeze occasionally - feels cool. Animal facing sun.

604.2 Saw Leopard lizard beside the road on a large rock 12:30 PM. We looked around for it but did not see it when we stopped.

604.4 at the canal at the
w. edge of the sandy creosote
bush area on Hwy S 78 that
separates this area from
agricultural land. Between
the two canals is a luxuriant
creosote bush growth with
many sand hummocks which
is very rich in lizards of
many kinds. This is the
same area where we got
Eulromyx last night. In
this area today we caught
4 Phrynosoma m'calli and
1 Crotaphytus wislizenii
we observed but did not
try to capture Dipsosaurus
dorsalis, Cnemidophorus tigris
Uma notata and Uta stansburiana.

S.B. Ruth
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Journal

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May 6 Algodones dunes area Imperial Co. Cal.
creosote is the dominant
vegetation, Galleta grass and
burro bush are scattered about.
The creosote looks very good.
Many ground squirrels were

seen beside the road both Round tailed and Antelope. Some were observed up in bushes. Their warning cry is a very high and shrill squeak.

1/4 mi. WNW Westmoreland we saw a roadrunner beside the road. when it stops both head and tail are held up but when it runs head and tail are held out parallel to the ground. We are on Hwy 86. There is extensive agricultural land on both sides of the road.

<u>Indian Wells Country Club - Mtns along Golf Course; Riverside Co., Calif. off Hwy 111</u>

Hunted around for an hour and a half until 4:35 PM. Right at the start after going across the golf links I nooseed a big beautiful adult male <u>Collard lizard</u>. I had trouble getting my string noose over its head and after three or four passes the

May 6 Indian Wells Country Hwy III Riverside Co. Calif.

lizard began to move away nervously and I began to pull the noose back to get into position for another try at the animal. Somehow or another his hind foot got tangled in the noose and I snagged him around the third toe of the right foot. I was so excited I was trembling as I removed the noose. RCS captured 2 Uta stansburiana one an adult or the other may have been a young or not sure. We saw Crotaphytus tigris and Sceloporus magistri but did not catch any. I was surprised we didn't see more but it is late in the day. The influence of man has had a very good influence on some animals in this area. Antelope Ground Squirrels and Gambels Quail are very abundant. The

presence of water here all year
round will probably have a good
influence on many reptiles in
the area. Herps in this area are
probably safe from further ravages
by man. The big problem in time
will probably be access as
more houses are built around
the golf courses and people

S-B. Ray
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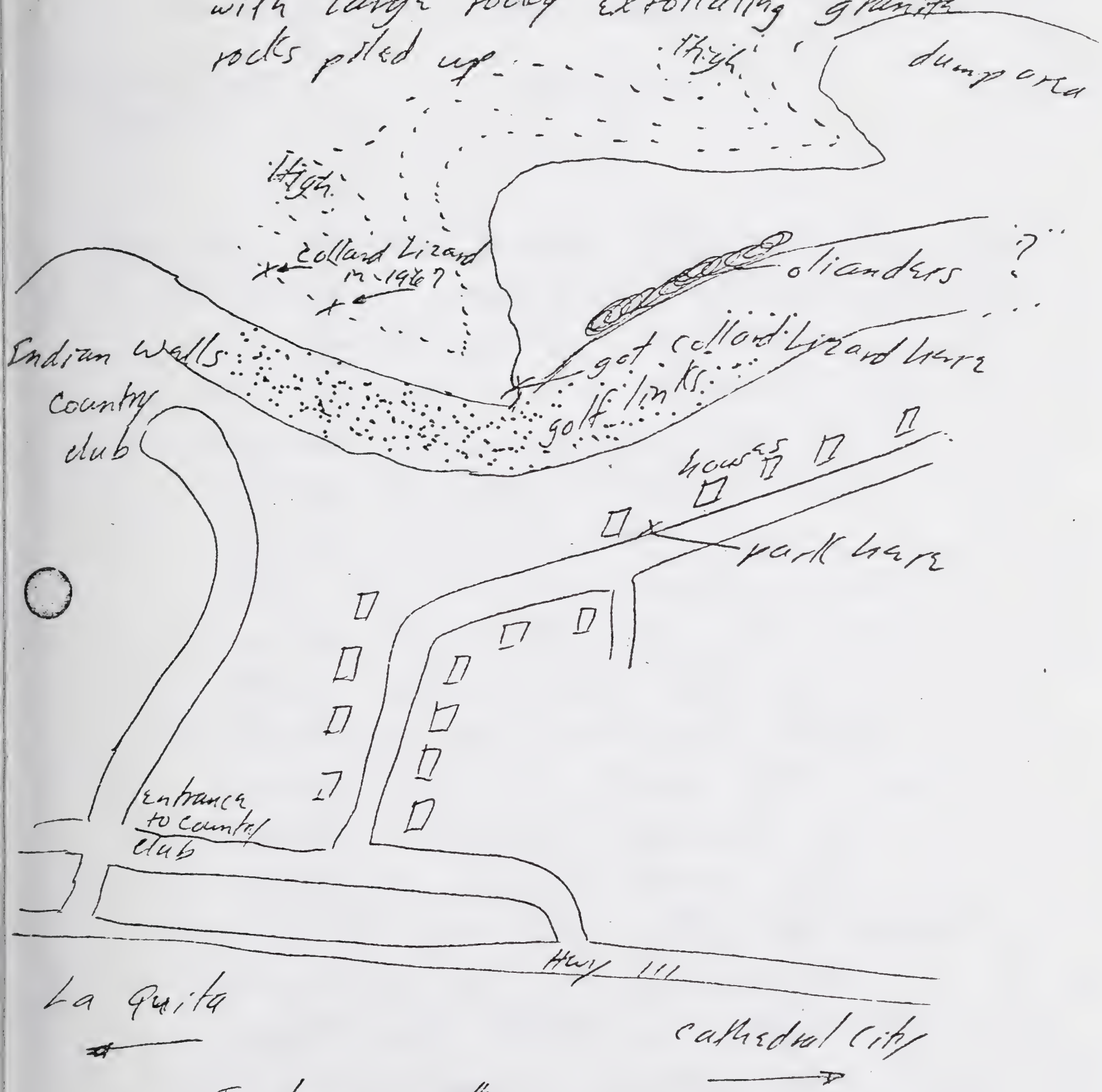
May 6 Indian Wells Country Club Hwy 111 Riverside Co, Calif.

start to worry about intruders. This area looks excellent for lizards with large rocky exfoliating granite rocks piled up



I have gotten Chuckwalla, Banded Rock Lizards, Desert Iguana and whiptails here in previous years.

La Quinta Dunes at junction
Ave 44 and Washington St.
Est 2 mi. NW La Quinta, Imperial Co. CA.
Stopped here from about 5:45 - 6:20 PM.

D. B. Ruth
1969

Journal

May 6 La Quinta Dunes Riverside Co., Calif
I found a long tailed brush lizard in a sunny spot on a sage like bush near a creosote bush. It jumped at the noose and bit it closing it but allowed me to noose it on the next pass.
The dunes are soaked with water only the top 1/8 - 1/4" being dried out. It must have rained hard and fairly recently. We have observed water standing around in pools in many areas. We didn't see any other lizards. Looking at the sand it appeared that we weren't the only one looking for lizards this afternoon. Road Runner tracks were followed

for about 60-90 feet. They went on the sunny (WEST) side of 3-4 creasote bush clumps. The toads went right into the base of several bushes and went directly from one bush to the other.

J. B. Rath
1969

Journal

May 6 Night Driving Coachella Valley
756.1 Junction Hwy 60 and Dillon Road out of Indio, Riverside Co., Calif
8:40 PM
756.7 DOR Pituophis melanoleucas
8:42 PM about 1½ feet to
Bufo cognatus same place as above.
756.9 8:45 PM " " clover 17.8°C;
air temp. ½" above road surface 20.0°C
substratum, just off pavement 22.1°C
Everything damp from recent rain.
Citrus grove area, stars out. No breeze.
757.2 8:52 PM. Bufo cognatus, clover 18.0°C.
Citrus grove on over night.
757.7 Over All American Canal.
764.8 9:20 PM. Colubrid navigatus.
Took 1000 Palms road.
774.8 10:00 PM. Colubrid navigatus on 1000 Palms Rd.
776.8 Junction 1000 Palms Rd. with Ramon Rd.
Took right
781.3 10:15 PM - Turning right on Ramon Rd.

Coachella Valley Press May 7

Gradual Clearing Forecast

Rainfall in Coachella Valley reached record proportions for May yesterday and last night.

Measurement for 24 hours taken at 7 this morning was .34 inch at Coachella and .41 inch at the U. S. Date Field Station on Clinton. Previous 24-hour high for both stations was .26 inch. Recording at the Department of Forestry Station on Arabia was .35 inch.

Rainfall readings for all Valley stations are:

	For Day	For Storm
Indio, Forestry	.35	.35*
Indio, Date Stn.	.41	.41*
Palm Desert	.49	.54
Mecca	.20	.24
North Shore	.16	.19
Oasis	.20	.25
La Quinta	.37	.37*
Bermuda Dunes	.51	.52
1000 Palms	.57	.57
Thermal	.25	.27
Coachella	.30	.34

*Trace only recorded yesterday morning.

The storm is expected to diminish during the day with gradual clearing overnight.

Some areas of the valley have received more rainfall during the past 48 hours than they did in January when there was widespread damage to roads and bridges.

There has been no major damage reported in the current storm, but Indian Avenue and Vista Chino in Palm Springs were barricaded at the storm channel crossing early this morning.

A small stream of water in the channel had reached Ramon Road this morning, but it was

(Continued on Page 4)

Valley

(Continued From Page 1)

expected to be absorbed before reaching Country Club Road.

Water crossing Vista Chino was estimated at 10 cubic feet per second this morning. This compares with 25-30,000 cubic feet per second during the January rains.

Only damage attributed to the rain was fires on two Imperial Irrigation District power poles, one at Washington near Avenue 44 and another in Mecca on Colfax near Hammond Road. State Forestry rangers believe water caused arcs across insulators igniting the poles. Damage was minor in both cases.

January flooding was caused mostly by water running off the mountains and during the current storm there is litle precipitation reported in the mountains.

The storm did bring about 13 inches of new snow to the top of the Palm Springs Aerial Tramway where a high temperature of 34 degrees was recorded yesterday. Low this morning was 24 degrees.

No damage to Coachella Valley farm crops has been reported. Lower temperatures accompanying the rains are expected to delay harvest of Perlette grapes by a few days.

The unusual storm covered most of Southern California and the Southwest United States and is now moving eastward.

Heavy thunderstorms are reported from the southern plains regions of West Texas and eastern New Mexico. Clovis, N. M. received 1.31 inches of rain in six hours. Lesser activity was reported from the central and southern states from the Gulf Coast to the Midwest. There was snow in the Central Rockies.

Some continuing rainfall is expected in Southern California mountains today.

S. B. Ruth
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May 7 Coachella Valley - Indio Area - Riverside Co, CA

We got rained out of our campsite at about 4 in the morning today. We had camped off the Palm Desert Hermit Rd

830.2 5:20 AM. Junction Dillon Rd and Hwy 60 out of Indio

831.3 Turn around at canal - the first one comes to. 5:36 AM

831.6 5:27 AM. Bufo woodhousei. Same site where Steve Ruth got this specie last year. Citrus grove on east side of the road. There is a steady drizzle and it has been raining for several hours. The overcast is starting to lighten slightly. Toad out on the road

832.6 5:30 AM Turn around for another run at the junction Hwy 60 and Dillon Rd.

833.7 At open canal filled with water beyond citrus grove, Turning around again and heading back toward Hwy 60.

This canal is probably the dispersal route for the bad-sandy substratum.

834.1 turn left on dirt road through the citris grove headed N.E. Many depressions in the grove where water may stand.

834.3 see a large reservoir beside the road which may be a

May 9 Coachella Valley, Indio Area, Riverside Co, Ca

breeding site. The pond is about 68 ~~ft~~ paces square and is only 100 yards or so from the canal. Probably canal water is pumped up into the reservoir. We turned around and headed back to Dillon Rd. Right next to the citris grove is desert scrub land. Some Palo Verde mixed in. The Palo Verde had a very definite browse line probably from rabbits.

835.4 Back to Hwy 60 time 5:50 PM Headed back to Indio. Problem of sympathy at this

site as it now appears that
B. woodhousei and B. cognatus
breed here. Their size is about
the same but voices are quite
different. The B woodhousei
is a ♀ judging from the size
of the thumb and the pale throat.

After breakfast at Sambo's
in Indio and looking at
an art gallery in Palm Springs
we drive up Tramway Canyon.
Encelia farinosa is in bloom
all over. Desert apricot and
Simpson weed is in bloom also.
Very beautiful - much color.
mist rising from the warm
ground. Still overcast but

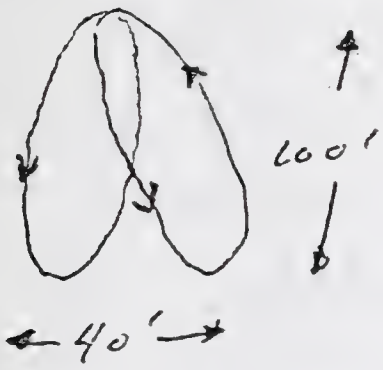
May 7 Palm Springs area Riverside Co., Calif
lighter. Some clearing to the
east now at 8:00 AM. Snow
in the San Jacinto mtns.
We decide to take a short
snooze.

Chino (Tramway) Canyon, WNW Palm Springs
Riverside Co., Calif.

worked rocky point 1/4 mi. NE dense jungle like area in upper part of canyon. I worked about 1 1/2 hours until 11:15 AM. Peeling granite flakes I captured 3 Xantusia henshawi one a nice large plump ♀. Chuckwalla feces are everywhere and are sort of a yellow brown color. They are probably gourging themselves on Encelia farinosa blossoms which are everywhere. The hillsides have a yellow tint there are so many of them. Hyptis emoryii the desert mint was also present and in bloom. White throated swifts were seen flying in the area, what was probably a Black Throated Hummingbird made about 10-15 dives near me. The display was in the shape of a very narrow ellipse and went up quite high. One pass would be made near me and then

May 7 Chino Canyon, Out of Palm Springs Riverside Co., CA.

another farther away. The sound on the way down was sort of a "hisssss" changing to a "shurrr" on the way back up.



No ~~other~~ lizards were seen out. Staphylinid beetles were in the yellow cholla cactus blossoms. The beetles were only about 1/4" long. Barrel cactus were seen and were fat and in bloom. A scorpion was exposed under one granite flake.

885.4 Stopped .1 mi NW junction Dillon Road and Varner Road Looked for 1/2 hr. until 1:25 PM for Lizards. Stopped as I thought I saw a desert horned lizard in the beak of a Road Runner. We caught nothing but saw 1 Desert Iguana and one Uma inornata

887.7 1:50PM RCS spots Uma inornata. As we look for it RCS spotted a long-tailed brush lizard. Both went into a jungle of dead ~~woody~~ pithy stems and branches. Both were dug out and captured by SBR. The uma was an adult ♀. The sky is overcast 100% but not

May 7 Coachella Valley - Garnet Dunes Riverside Co. CA.
too thick. It is warm and very humid.

890.0 Off Varner Road in the Garnet Dunes area. looked for lizards for about an hour. We collected 6 Uma inornata almost all in the last 30 minutes. We finished collecting at 3:00 PM. Two of the Uma were large adult ♂'s one of which was injured in the sacral area but did not seem to be bothered, The other 4 were juveniles. Just the surface

layer of sand is dry. Dune buggys have almost ruined this area to look at it.
I saw one *Uroserpus gracilosus* on a skraggly creosote bush but was not able to get it. The area (sky) is now clearing rapidly - clear here 50% total including pontery. Creosote in poor condition according to RCS.

On our way to the mojave we turn ~~east~~ southeast off Hwy 66 to check out camping area for the class. Look for Indian Ave turnoff off of Hwy 66 - turn left as you leave Hwy 66. onto Indian Ave. ~~[illegible]~~ ~~parade road~~ ~~[illegible]~~

S-B-Ruff
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May 7 *Old Women Springs Rd San Bernardino Co., Ca*
go down Indian Ave 1.1 mi. turn left on dirt road. Go .4 mi. turn left at rail fence and you are there.

932.0 Lucern Valley, Victorville turn off (Old Woman Springs Road) off of Hwy 62.

934.3 4:40 PM spot adult ♂ *Sceloporus magister* spread eagled on large granite rock in the sun. When we approached she dove down in a crack. I noosed her out of the crack

(same) There are scattered clouds in the sky. There are scattered granite rock outcrops in this area. Joshua trees scattered throughout the region. Got ♂ *S. magister* 5:10 PM locality in the same general area of rock outcroppings.

938.0 Same locality as 934.3 above - made loop on dirt road. Saw the male far off 75 yards from the car. As I started to approach same distance away he dropped down into a rock crack. I was able to put the noose around him then pull the granite flake away and captured

May 7 Old Women Springs Rd. San Bernardino Co., CA.
the individual. It was a beautiful male. These individuals would probably not have remained out much longer as the sun is getting low in the sky. Creosote and Joshua Trees scattered throughout the area as before. Scattered clouds.

945.2 5:30 PM spot 2 uta stansburiana beside the road a ♂ and a ♀ displaying to each other. They were near a small creosote bush Burro bush is in the area nearby. RCS noosed the ♂ I got the ♀. They were on a low 1' high dirt embankment beside the road. Both were in the sun. I spotted the ♂ as we were driving by and saw the ♀ after we stopped clouds as little as we have seen thus far maybe 10% of the sky none overhead.

982.7 Lucern

982.9 Junction Old Women Springs Rd and Barstow Rd. 9:32 PM

We had dinner in Lucern. We found out that they have had quite a wet spring. It did not rain today but rained last night, the night before and

May 7 <u>Lucern Valley Situation, San Bernardino Co., Ca</u>
over the weekend. We also found out what was making the huge scars on the side of the San Bernardino Mts where RCS had planned to have a refugium. <u>Eunatina</u> <u>crocea</u>-<u>klauberi</u> intergrades have been found in that area. There are three mining interests now at work tearing up the hills. The first operation right across from Lucern is a rock quarry. Next to the east is a lime mine and the most easterly

outfit takes out concrete.
Alfalfa grows around Lucerne
the name which in itself
means alfalfa. The air is
very hazy. We head toward
Barstow with hopes of finding
snakes on the road.

056.5 10:30 PM. Left freeway at Hector exit.
in Pisgah Crater area. Took left along
frontage road. Clear. No wind.

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May 8 <u>Pisgah Crater San Bernardino Co., Calif.</u>

080.6 9:05 AM Saw ♀ <u>Phrynosoma platyrhinos</u>
on large rock 2½' x 2' x 1½'
in size. About 15' from the
shoulder of the road 1 mi. NNE
Pisgah Crater. Was sitting near
top of rock. Got shots of
animal on rock, animal on
substratum, animal on back
and view of vent region of
lizard. Creosote bush and galleta
grass nearby. Very sunny
5% cloud cover - light breeze
blowing. Horned larks calling.
On SW side of the road.

animal was a ♀. Much dew on the ground this morning. Got nothing night driving last night.

081.0 9:35 AM See *Callisaurus draconoides* large ♂ on a rock. RCS noosed it under a bush. In the process of retrieving it the swell mechanism was pierced by a thorn and part of the tail was lost.

083.6 11:55 PM we have just finished our mornings collecting at a spot about 1 mi. NNE Pisgah Crater. We captured a number of *Uma scoparia* in dune areas near lava out croppings. The sand surface was dry but wet underneath. The *Uma* were relying very heavily on burrows

May 8 *Pisgah Crater San Bernardino Co., Calif.*

to escape especially the larger individuals. They did not seem to have been out for long; indeed several exploded out of the sand almost underfoot. These *Uma scoparia* also tended to run long distances

almost Callisaurus like compared with other Uma I have collected. We collected about 8 Uma several nice large adult males with a pale green wash to the venter. There are scattered clouds in the sky.
RCS collected one nice big male Callisaurus draconoides
We collected 4 Cnemidophorus tigris - three were nooses and I dug the other out of a rodent burrow. Nooses three Cnemidos is something of a record. They were found under creosote and burro bush. Again we more than likely came upon them shortly after they had emerged around 9:45-10:15 AM
R.C.S. observed one of the whiptails defecating - this is one of the first things a lizard does while it is warming up.
I tried a wire screen lizard trap and while I could see its merits I preferred to use the noose. They did

May 8 Pisgah Crater, San Bernardino Co. Calif.
not run much and did not do as much of the constant herky jerky walk as is usually observed. Uta stansburiana were observed up on black lava rocks basking. They were also very dark and black colored. Several Callisaurus were seen up on rocks basking.
At 11:55 we got back to the car and sorted the animals out into jars. We got Gallita grass, creosote and burro bush to take back to the class. We also got a sack of ~~sa~~ sand from here to put Uma scoparia on.
At about 12:05 a Crotaphytus wislizenii was seen basking on a rock by RCS. I noosed the animal. Somehow these lizards always appear hungry and lean to me. It was shedding. The large Callisaurus which lost part of the tail was shedding as were

several of the Uma. Maybe the recent extensive rainfall had something to do with this. We had left our collecting area and began to drive towards the roadside rest area when the Leopard lizard was seen.

At 17:15PM a ♂ Phrynosoma

S.B. Ruth
1964

Journal

4

May 8 Pisgah Crater San Bernardino Co. CA. ☀ sun

platyrhinos was spotted about 10 feet from the road sholder. It was basking on a rock 9" x 6" x 6" and was lined up with the sun. R.C.S. took several photographs. The cloaca temp was 34.2°C. Air 1/2" above sand with bulb shaded fluctuated from 27.5-28.7°C

The substratum in the sun with the bulb just under the sand was 39.5°C Driving toward the roadside rest several Dipsosaurus dorsalis

were observed and one was captured.

088.1 Road side Rest

088.9 Junction Hector Road and National Trail's Road. There is a trapazoidal shaped Road side rest sign 1/4 mile before the road side rest going toward it from the above mentioned junction. to get to the camping area drive about 5 miles past the roadside rest area and look for a break in the dirt ridge alongside the right hand side of the road. The Hector road which has run parallel to the Hwy will begin to diverge shortly before this. Make camp and leave a

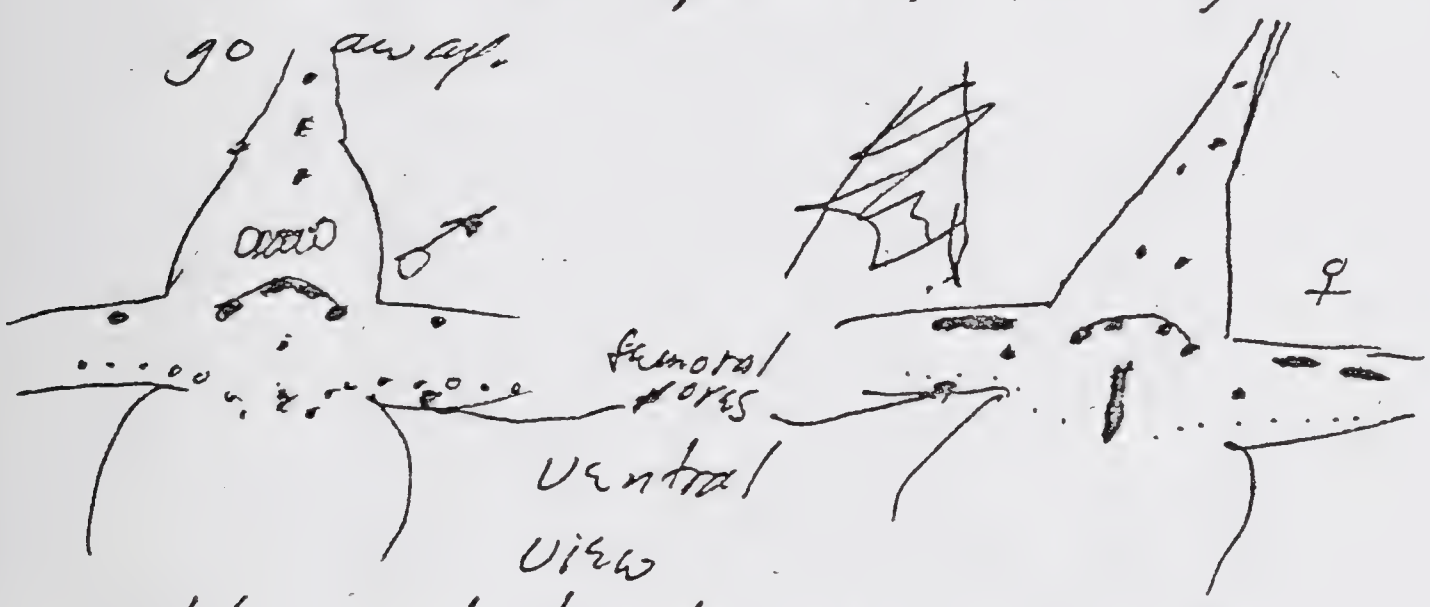
May 8 Disgah Center, San Bernardino Co., Calif
dome light on in the car so that late arrivals will be able to find the spot.

090.2 Hector Road exit from Hwy 40 and 66.

116.4 mileage at Daggett overcrossing.

116-9 Daggett exit.

Note I looked at the ♂ & *platyrhinos* and his vent markings are not nearly as well developed as the ♀'s. This may have something to do with the tail waving display of the ♀ where she presents her rump toward another lizard (even other species) to say go away.



It's sad to be headed home now after such a great trip. It will be very good to see my little wifey again though. According to R.C.S. we got *all* the desert lizards on our trip. We even got several marginal forms.

S. B. Ruth
1968-1971

Journal
1970

Calif: Mariposa, Tuolumne, Santa Cruz,
Santa Clara, San Francisco Cos.

S.O. Nuin
1970

Journal

5 Feb 107 Amphibian collecting trip
Mariposa Co, Calif
906.5 On Hwy 132 outside
Coulterville, elev 1700'
908.6 Intersection Hwy 132 + Hwy 49. At 906.5 stopped the car and walked down the bank to a creek several feet across to look for Hydromantes brunus. In about 15 minutes of rock turning on a NE facing slope only one Taricha torosa sierrae was found. It was an adult male just starting to get into breeding condition. About 30 feet from water. Skin just starting to smooth. We started collecting at about 4:00 PM. I am accompanying RCS on his amphibian collecting trip for 107. "Ol" Nate couldn't make it this trip. We are now

5 Feb 107 Amphibian Collecting trip Mariposa Co Calif.

906.5 = 2.1 mi NW Coulterville Hwy 49

On Hwy 49 Headed toward Bear Valley. We plan to look for Hydromantes brunus in Hell Hollow a spot where Gary Fellers collected one about a week ago.

920.8 Hell Hollow Hwy 49 out of Coulterville, Mariposa Co., Calif

12.2 mi. S. Coulterville. Collected from 4:45 - 5:15 PM. Captured 2 adult Hydromantes brunus and saw one other. 1 ad ♂ 1 ad ♀. Also collected 3 ad T. t. sierrae and 3 juv. 3 ad and 1 juv were out crawling in the open. Juv 1 1/4" S.V. looked like an ensatina crawling in the open up slope about 45° and about 40 feet from a stream on the SE facing slope

5 Feb

107 Amphibian collecting trip
Hell Hollow, Hwy 49, Mariposa Co., Ca
of the canyon as were all
other animals. Sun is
now almost all down.
Dew is on the grass.
Parked at a hair pin
turn in the road. Staircase
series of cliffs in the
bottom of the canyon and
a cascading stream.
Orientation headwaters
of stream to the SW
flowing N.E. Steep sided
canyon with slopes of
30 to 60°. Toyon, Ceanothus,
poison oak, bed straw,
Virgins bower, buckeye,
canyon oak, miners lettuce,
Digger Pine, grass about
6 inches high. Stones
were damp on the underside.
I captured a number
of Batrachoseps and 2
juv Ty sierrae under
stones lying on the ground.
The soil is red brown

5 Feb

107 Amphibian collecting trip
Hell Hollow, Hwy 49, Mariposa Co., Ca
in color. I found an adult
Hydromantes under a stone
but it escaped as I
turned away to get my
thermometer. I dug and
dug but it got down into
the loose talus faster than
I could dig. Big sooty
millipedes 5-6" long present.
The Hydromantes RCS
found: 1-20' from stream
under rock in area where
rocks had accumulated
around the upper base of
a buckeye. 2'nd one
about 40' from the stream,
under a rock on top of a
small rock outcrop. Rocks
both about 1½" long, 8"
wide and 2" thick.

924.6 Bear Valley

Notice a mistor haze
(smog?) in the air this
afternoon. Blotting things
out several miles ahead

5 Feb

107 Amphibian collecting trip

temps mild.

Ate dinner at the "49'er" in Mariposa. Drove back over Hwy 49 and spent the night at the "Mt River Motel" near the jct. of Hwy 49 and Hwy 120. Very depressing. They are building a bridge 240' tall here and this area will be flooded for future water for San Francisco. Probably if Hydromantes is here it won't be for long. We plan to look for it tomorrow. The lady in the cafe said that this would be under water in six months.

S. S. Mutch
1970

Journal

6 Feb

107 Amphibian collecting trip
Lost Claim campground E
Groveland Hwy 120 Tuolumne Co Ca
Ate breakfast at Mt
River Motel and then drove
here. Collected from about
8:00 AM - 11:00. Got 1 juv.
Ensatina hybrid? and an
adult Aneides lugubris.
Both were under logs.
Collected along a tributary
of the Tolumne River in
the Colfax Springs area.
Deep steep canyon. Beautiful
country but possibly too
dry for Hydromantes to
be here. May be too
cold at night for many
Ensatina or Aneides to
be up yet. There was
frost on the ground this
morning. Winter Wren, Brown
Creeper, Huttons Vireo (?
heard), Pine Siskins, Bewick
Wren, Plain titmice, Wren
tit, Winter wren was seen
by RCS to probe up to

6 Feb 107 Amphibian Collecting Trip
Last Chance Campground Hwy 120 Tuolumne Co Ca

The under side of a leaf and when in that position the light underside of the chin and breast were in an ideal position to throw light up to the underside of the leaf. A bobcat track and a coyote track were seen (very fresh) in wet silt beside a small stream. Along the road many of the Ponderosa Pines had dead needles. This was very apparent at the Groveland Ranger station where there would be fumes from mosquitos. RCS wonders if they are suffering from smog nothing that Pines in the L. A area have shown this type of reaction to smog.

There did not appear to be limestone in this area but rather granite.

6 Feb

LOT Amphibian collecting trip.
Stopped in Groveland for groceries. Grocer said it's been getting down to freezing at night. Headed now to Sonora. My thermometer is broken. Air temp is mild soil is cool but not cold.

<u>200 yds above Bagby Bridge, Hwy 49, Hell Hollow, Mariposa Co., Calif</u>

1:05 - 1:30 PM. Heard black phoebe give its high "chip" note. I found a <u>Hydromantes</u> <u>brunus</u> under a small log on an E facing slope. It was an adult ♀. See species account for more detail. I also collected a <u>Batrachoseps</u> and RCS got two more of the same. RCS got an adult ♂ <u>Taricha torosa</u> <u>sierrae</u> in the water. Steep sided canyon. Not really much rocky outcroppings. Small stream several feet

6 Feb

107 Amphibian Collecting Trip
200 yds above Bagby bridge, Hell Hollow
Hwy 49, Mariposa Co., Calif.
across at the bottom of the
canyon. Toyon, chamise,
Manzanita and Canyon
Oak growing along the
sides of the canyon. A
large number of fish in
the creek. Quite a bit
of smog today - RCS keeps
griping about it. Water
was quite high but possibly
not as high as where I
collected the Hydromantes.

S. Fork Merced with Merced
River, Hwy 140, Mariposa Co.,
Calif

3:00 - 5:00 PM hiked
up along road beside S. Fork
- some kind of Private Pines
area - Collected quite a
ways up along the first
tributary to the right
(flowing into the S. Fork.
We were here under

6 Feb. 107 Amphibian Collecting Trip
Junct. Merced and South Fork Merced
Hwy 140, Mariposa Co., Calif.
temperature and moisture
conditions which would seem
ideal for Hydromantes but
found none. The walls
of the tributary were
quite steep 30-45° the
bed of the stream got
steeper. The canyon bottom
was often choked with
skrawny canyon oaks.
We captured quite a number
of juvenile and adult Taricha
torosa sierrae - only one
was taken in a pool of
water and was in the
"slick-skinned" phase.
Down toward the S Fork
of the Merced a half
dozen were seen crawling
out on the surface. As
RCS found one he called
"Roots toot-toot, I found
a Newt." I quickly picked
up on this theme making

6 Feb

107 Amphibian Collecting Trip
Jct. Merced + S. Fork Merced River
Hwy 140, Mariposa Co, Calif.
him sorry he'd said it.
He said that he got it
from Bill Riemer. We
captured about 20 newts
in all and about a
dozen Batrachoseps. We
also captured two adult
Rana boylei. RCS almost
lost this and his Batra-
choseps by putting them
in a jar with a batch
of newts. The Yellow-
legged frogs and slender
salamanders movements
were very feeble when
we took them out. We
rinsed them off and
hope they come out of it
OK. The remains of a
Band-tailed Pigeon were
seen along the side of
the canyon as we hiked
out. RCS said that it
was probably the work

6 Feb 107 Amphibian collecting trip
Jct. Merced + S. Fork Merced Rivers,
Hwy. 140, Mariposa Co., Calif.
of a Coopers Hawk. The
soil under objects was
loose and granular often
quite a bit of talus and
quite moist. It differed
from Hell Hollow in that
it was not as "rich and
"mulchy." The young Taricha
look very much like
Ensatina. Upper end of
the tributary had a
staircase type bed.
One adult male Sceloporus
occidentalis was under
a piece of plywood by
an abandoned house trailer
near the picnic area.

6 Feb Valencia Lagoon, Hwy 1, Santa
Cruz Co., Calif.
Valencia Lagoon is no
more. It has been filled
in and drained by the
Highway people. A rope net

6 Feb 107 Amphibian Collecting Trip
Valencia Lagoon, Hwy 1, Santa Cruz Co, Calif

covers the bottom. ~~over whi~~ A few tufts of grass stick up through. Shallow water slowly trickles past the road fill. The Hyla don't care and we catch a dozen or so of them. A green plastic covered fence surrounds the area which has been destroyed. Tomorow there will be a pow wow here in the morning with Cal Fish and Game, the Hwy Department and several others. Bessie will meet us in the morning to bring down some materials.

RCS and I spend the night at a Motel just a little bit North and across the road from the lagoon. The motel was very nice and called Redwood Village

S. D. Ruth
1970

Journal

7 Feb 107 Amphibian Collecting Trip

Got up at about 6:30 this morning and went into Watsonville for breakfast. We then drove out to Valencia Lagoon to meet with representatives of various interest groups. We took pictures of the lagoon site from various angles west and south of the area.

Valencia Lagoon, Rio del Mar turnoff, Hwy 1 Santa Cruz Co, Calif.

At about 9:00 AM we met at the lagoon with the following individuals present: Robert C. Stebbins (U.C.B), Mr Lagsdin and Mr Tom Brown (Hydraulics Section of the California State Division of Highways), Mr Leonard Fisk (California Fish and Game), Mr Ben Crabb (Fish and Wildlife), Charles Marinovich (intensly interested private citizen), myself and Bessie.

Situation: Valencia Lagoon

S. D. Ruth
1970

Journal

7 Feb. 107 Amphibian Collecting Trip
Valencia Lagoon, Rio del Mar turnoff, Hwy 1, Santa Cruz Co., Calif.
has been drained and a rope net bottomed channel has been constructed and along the side of the freeway. The drainage channel is lined with an introduced grass to prevent it from eroding. The ditch is quite wide and deep and designed according to Mr ~~Langdin~~ Tom Brown to handle runoff from a "once in hundred years" storm and anticipating future growth and runoff from the area.

After talking for a time it became quite obvious that the Highway Commission had not known about the presence of Ambystoma macrodactylum croceum although letters have been written to them in the past regarding this beast. The construction work was quite clearly the result

7 Feb 107 Amphibian Collecting Trip
Valencia Lagoon, Rio del Mar turnoff,
Hwy 1, Santa Cruz Co, Calif.
of a lack of intradepartmental
communication on their
part. They admitted that
there had been an error
and wanted our suggestions as
to what we would like them
to do to correct the situation.
It was decided that we
couldn't count on having the
portion of the former lagoon
in private hands, remaining
undeveloped and that it would
be best to decide what to
do to the land remaining
within the highway right-of
way. The suggestion was
that a "bath tub" like pit
with feathered edges
be dug parallel to the
drainage channel and
to a depth slightly below that
of the drainage channel.
An earthen barrier would
separate the channel and

7 Feb. 107 Amphibian Collecting Trip
Valencia Lagoon, Rio del Mar turnoff
Hwy 1, Santa Cruz Co., Calif
the new pond which would
be constructed. The pond would
run along the fence and near
some willows within the
right of way. It was
pointed out that the core
of the pond would have to
retain water through the
middle of June. Breeding success
for this year and next is
pretty well written off as a loss.
It may be possible to mitigate
this somewhat by placing
about a three foot sandbag
barrier across the northern
end of the drain channel
to dam it up somewhat. It
was thought that reestablish-
ment of ~~degenative~~ vegetation
could be speeded up by scooping
up clumps of the Polygonum
spike rush and cattails and
scattering them around in the
bathtub area. Anderson

7 Feb 107 Amphibian Collecting Trip
Valencia Lagoon, Rio del Mar turnoff
Hwy 1, Santa Cruz Co., Calif.
Felt the spike rush was the site upon which the A. m. crocrum laid its eggs.

The net along the bottom of the drainage channel has about 1/2" x 3/4" mesh.

Cucuya (sp? African) grass has been planted in the drain channel. It has been around and used in California for about 30 years. Tom Brown thought that native vegetation might have a hard time competing with Cucuya grass and thus seeding may be important. Blackberry and willows are other important plants in the pond area.

The operating policy of the Highway Department is to construct highways anticipating future growth of California.

A good deal of sitting has already taken place

7 Feb 107 Amphibian collecting Trip
Valencia Lagoon, Rio del Mar
turnoff, Hwy 1, Santa Cruz Co, Calif.
along the bottom of their
channel. Mr Langsdon said
that much of this silting
previously gathered in
the bottom of the highway
drainage ditch that was
eliminated when the highway
was widened. Quarrying E.
of Robb Roy interchange is
contributing a considerable
amount of the silt.

Hydrolic engineers said
that ~~the~~ one of the plans
considered for the area
was just to main the pond-
diverting water into it - but
private ownership of part
of the area deterred them
in this plan. Had they known
of the salamander chances
are that they would not
have followed their present
plan.

The presence of the

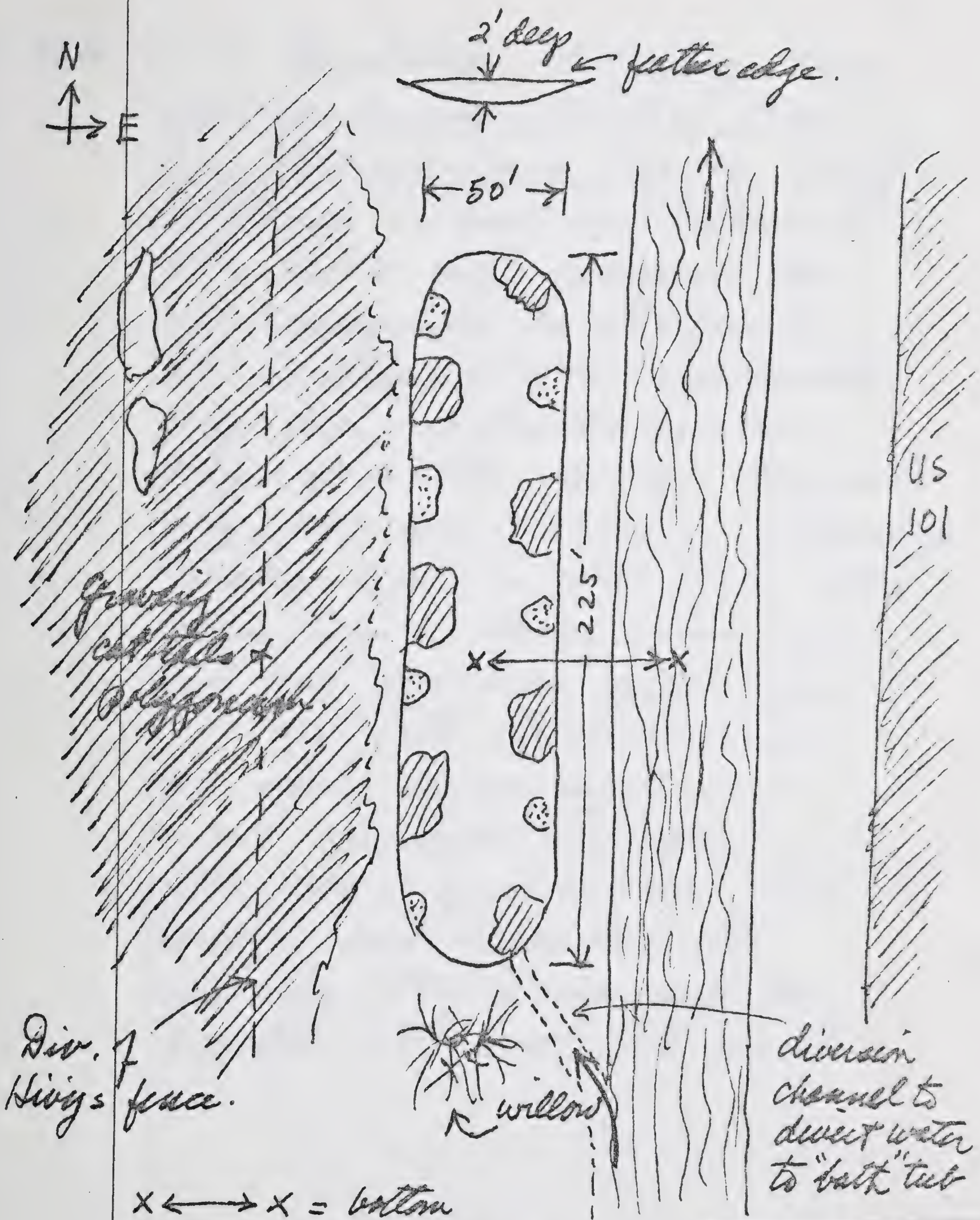
7 Feb 107 Amphibian Collecting Trip
Valencia Lagoon, Rio del Mar
turnoff, Hwy 1, Santa Cruz Co., Calif.
Salamander had been pointed out to them in a letter written by Mr Mannouch that sat in Sacramento for two months before and during construction of the drainchannel.

See an accompanying drawing page (7a) for a drawing of the plan agreed upon. A copy was given to Mr Tom Brown for study by the highway department.

Large numbers of Rana regilla were using the drainage channel to breed. It had slowly flowing water to about three inches in some areas.

The idea of a roadside rest featuring the salamander was discarded because of the danger of focusing collectors on the site.

Valencia Lagoon Plan



7 Feb

107 Amphibian Collecting Trip
Valencia Lagoon, Rio del Mar,
turnoff, Hwy 1, Santa Cruz Co., Calif.
Although it was not known if
the area was sprayed ~~by~~
for mosquitos in the past,
it is thought that construction
may focus attention in this
regard in the area. Mosquito
wigglers were seen in standing
water now on the site. Also
seen were large numbers
of just hatching Hyla eggs.
We left Valencia Lagoon
at about 12:00 noon and
went into Aptos for lunch at
the same spot where RCS
and I had breakfast this
morning. Mr Brown and Mr
Lagsdin left us at this point.

7. Feb. 107 Amphibian Collecting trip
1/2 mi. NW Ellicott R.R. station
Santa Cruz Co., Calif.

Mr Fisk, Mr Crabb, Mr Mamnovich, RCS and myself arrived at the Ellicott site at about 1:15 PM or so. We asked Mrs Joanne Sassel for permission to examine the site. We learned that the site was sold but that the papers had not yet been signed. RCS started by taking a large number of pictures of the area. I took several shots of *Ambystoma macrodactylum croceum* "in situ" that Bessie had brought down with her from Cal this morning. Ben Crabb asked for copies and gave me his card.

The pond is again very full this year but still about three feet below the high water mark from last year. Much of the vegetation in the pond is

7 Feb. 107 Amphibian Collecting Trip
½ mi. NW Elliott RR. station,
Santa Cruz Co., Calif

dead. The pond is well fertilized and cow and horse dung can be seen falling apart in it. The water has a brownish tinge - oily film is seen in some spots. Clumps of green algae are already forming. The vegetation in the pond is quite thick. Hundreds of Hyla egg clumps are observed in the pond and newly hatched larvae are everywhere. Several bullfrog tadpoles were seen at the water surface sunning themselves. During the afternoon about a dozen Hyla regilla were captured in and around the pond site. ~~Ten~~ A Rana aurora about 1¼" SV was also taken in the pond.

A search of the willow grove revealed a juvenile

7 Feb 107 Amphibian Collecting Trip
1/2 mi. N.W Ellicott RR station,
Santa Cruz Co, Calif
Santa Cruz long-toed salamander
~~was~~ under a good sized rotting
log just about at the log-
ground contact - maybe up in
the log just a little bit.
The Sossels' plan to cut
down many of the willows
and pick up the debris
to sort of "tidy" up the
area. Mr Marnoutch plans
to write them and ask that
the grove be left in condition
favorable to the salamanders.
Cows are in the pond
area and using it for water.
R.C.S climbed the ridge
north east of the pond and
reported good numbers of oaks
and undisturbed land just
over the ridge which was
about 200 feet high (above
the pond). A small canyon
or break in the ridge
seemed to point right in the

107 Amphibian Collecting Trip
1/2 mi. NE Elliott RR station,
Santa Cruz Co., Calif.

direction of the pond and R.C.S. speculated that it might have a funnel and aiming effect on migrating salamanders. R.C.S found a Sceloporus occidentalis (ad ♂) and a newly hatched Gerrhonotus multicarinatus with a yolk scar still visible under objects at the base of the ridge. Motorcycles are roaring about on the ridge and causing some erosion to take place.

On the other side of the road to the east is another low ridge and beyond it is farmland.

I tried to net some A. m. croceum in the pond but didn't have much luck. Part of the problem may have been Bob's "treasured" dip net that had several

S. B. Kaufa
1970

Journal

7 Feb 107 Amphibian collecting Trip
½ mi. NE Elliott RR station,
Santa Cruz Co Calif.
fair sized holes in it. I
took several photographs of
the pond area.

The substratum of the
Elliott area is a well compacted
buff colored sandy loam. Most
of it is firm with little or no
loose sand on the surface and
at the time of our visit most
of it was damp. Mole burrows
were common.

Hill faces to the east and
west of the pond are covered
with coyote bush, bush lupin,
sticky monkey flower and poison
oak.

Vegetation at the top of
the NE slope consisted of
the following plants: interior
live oak (predominants), Douglas
Fir (few), willows (in gully
mentioned earlier), coast redwood
(at least one), and extensive
brush land. In the brushland

7 Feb 107 Amphibian Collecting Trip.
½ mi. NE Ellicott RR station,
Santa Cruz Co. Calif.
are to be found "gangly slender stalked" sticky monkey flower, poison oak, coyote bush, coffee berry, bracken, calif. blackberry, and Ceanothus.

Animals seen are: sharp-shinned hawk, bush tits, red-tailed hawk, fox sparrow, and RCS heard a calif. Thrasher.

In the gully mentioned earlier were several large wood rat nests and a large amount of human refuse. The central portion of the slope was deeply cut with gullies caused by motorcyclists.

A number of small pools were along the base of the slope containing Hyla tadpoles.

Invertebrates seen in the duff under the willows E of the pond were as follows: earth worms, sow bugs, centipedes, millipedes, collembola, soggy

7 Feb (07 Amphibian collecting trip
1/2 mi. NE Ellicott RR station
Santa Cruz Co., Calif.
wood termites (small), meal worms, carabid like mollusc eating beetles.

RCS would like to speculate that the bottom of Ellicott pond may be close to the water table. Mr Marinovich says that water for agriculture comes from wells and runoff and that there tends to be a shortage of water for homes in the area during the summer. Over much of the year the area is foggy and the humidity high.

Oak forest could be seen extending for a great distance from the hill E of the pond but was interrupted by farmland.

There has been talk of extending the KOA trailer park into the pond area but it is not doing well. Were it

7 Feb 107 Amphibian collecting trip
<u>1/2 mi. NE Ellicott RR station</u>
<u>Santa Cruz Co., Calif.</u>
not for their poor business the pond may have already been gone. The Sossels are buying the area S of the driveway. The area N of the driveway is being bought but it is not known by whom. The land is currently owned by three parties.

We left Ellicott at about 4:45 PM to go to Sunset Beach State Park to look at the ponds there.

See R. Stebbins notes for a description of Sunset Beach.

We had a ride with Mr Marinovich through the hinterlands of Watsonville. He pointed out a number of areas where <u>A. m. croceum</u> might be found. The best way to check this would be to drive the roads on a rainy fall night.

S.B. Ruth
1970

Journal

8 Feb

107 Amphibian Collecting Trip
Thus far we have not eaten at a "Dennys" this trip. We passed one last night (unknowingly) and did not go to it this morning (too hard to turn around). We stayed in a motel in Santa Cruz last night.

339.2

Sycamore Grove Camp, Hwy 9, Santa Cruz Co., Calif.

8:15-8:45 AM collected around the camp. Lots of steelhead fishermen. RCS found all the good spots and found 14 Batrachoseps 5 Ensatina and 3 Aneides lugubris. I got skunked Not as much litter to turn as in previous years. Sky is clear; the air is crisp. A varied thrush was heard calling from out of a bay-oak woodland. A high long note about one second long.

345.1 Felton

8 Feb. 107 Amphibian Collecting Trip
351.8 Felton again headed N.
357.7 [illegible] mi. up Clear Creek Rd. off Hwy 9, Brookdale, Santa Cruz Co., Calif.

9:30 - 11:00 AM collected along the rocky creek. Redwoods, Doug fir, Tan Oak, Big leaf Maple, Thimble berry, Blackberry, Oxalis, Sword fern, bracken, california hazel. Creek about three feet across and 6-9 inches deep. Often steep sided. Granite rock. Collected 9 Aneides flavipunctatus 4 Ensatina, 1 Dicamptodon, 3 Batrachoseps and 1 Rana aurora.

All of RCS's 5 Aneides flavipunctatus were found in an area 10 yds across. Three were on the SW side of the stream within a distance of ten feet. All were about a foot above stream level. There was a rocky bench on the SW side of the stream largely concealed by soil and

8 Feb 107 Amphibian Collecting Trip
.8 mi. up Clear Creek Rd., off Hwy 9,
Brookdale, Santa Cruz Co., Calif.
leaf litter. The bank was
about 20' wide and 30' long
and about a foot above stream
level. Many interstices among
rocks extending to the water
table. Two of the salamanders
were about three feet apart;
Large ~~ada~~ animals probably
a pair. Third individual sub
adult about 6 feet farther
down stream. All were within
1-2 feet of the stream.
Bank appeared to be above
flood level. Forth individual
on NE side of stream; large
adult - stream about 10' wide -
fast flowing. Salamander under
limb 8' long 4" diameter in
redwood leaf litter. About 1
foot above stream level and
about 7 feet from the stream.
Soil at all sites damp not
sopping wet! One large adult
poadered with adhering

8 Feb 107 Amphibian Collecting Trip
~~8 mi~~ up Clear Creek Rd. off Hwy 9,
Brookdale, Santa Cruz Co., Calif.

sand grains. The first three individuals previously mentioned were under rocks. Much searching of stream borders above and below this site yielded only one other individual, a subadult in wet soil under a rock slide on the N.E side of the stream. RCS has the impression that rock rubble benches ~~harbor~~ are areas where colonies of these salamanders may exist.

The three *Ensatina Eschscholtzii platensis* which I captured were all in sopped gravelly soil near the stream. One was a juvenile and two were subadults. All were under small rocks to about 9" diameter imbedded in the bank from 2-6 inches of the stream.

The ensatina was under a rock about four feet above

8 Feb 107 Amphibian Collecting Trip
.8 mi. off Hwy. 9 on Clear Creek Rd.
Brookdale, Santa Cruz Co., Calif.
and 4 feet away from the
stream on redwood leaf litter.

The Rana aurora about
1¼" s.v. was on wet Oxalis
on an island where the
stream divided. It jumped
about on land and caught
my attention.

RCS found a Dicamptodon
20 yds from the stream and
about 12 feet above the
stream in an area of heavy
leaf litter under a 10' x
6" diameter redwood log. Tan
Oak, Douglas fir, and a few
redwoods right in the area.

Ensatina as on a
previous visit - despite the
fact that the habitat looked
ideal - were hard to find.
Slender salamanders were
also uncommon.

The Dicamptodon was about
6" SV and was nicely mottled.

8 Feb 107 Amphibian Collecting Trip
.8 mi. off Hwy 9 on Clear Creek Rd.,
Brookdale, Santa Cruz Co., Calif.

On the Ensatina and Batrachoseps perhaps Dicamptodon keeps the numbers down or it has to warm up as all were found late in the period of searching.

I observed what RCS later said was a Winter Wren building a nest. The nest site was the rotten center of a log overhanging the creek. The log was about 10 inches in diameter and was about three feet above the water. The wren was collecting dried bits of moss and taking it into the hole. I stood quietly by about six feet away and watched. When I began to move about the wren flew a short distance away and uttered a twittering "squeeky wheel" song. There was a buff stripe just above

8 Feb 107 Amphibian Collecting Trip
.8 mi. off Hwy 9 on Clear Creek Rd.,
Brookdale, Santa Cruz Co., Calif.
the eye, a bit of a checkered
pattern showing on the
edge of the outer primary
when the wings were at
the birds side. The tail
was very short. The bird
hopped and flitted through
the habitat.

River at Boulder Creek off
Hwy 9. Santa Cruz Co., Calif.
Local residents knew
nothing of newts or water
dogs. The river was possibly
40 feet wide with slow
quiet spots and plenty of
places for egg attachment. The
habitat seemed ideal.
The mouth of the river at
Santa Cruz was put in
a concrete trough according
to an "old timer". Steelhead
used to be abundant but
now are scarce. Eels used

Journal

8 Feb

102 Amphibian Collecting Trip
River at Bolder Creek, off Hwy 9,
Santa Cruz Co, Calif.

to be abundant and are also scarce now. They would go up the river to breed ~~but~~ and would die and be fed upon by the crayfish which have also declined in numbers. In answer to RCS's query the old man said that he knew of no dam barrier to the movement of steelhead and eels but that they didn't like a concrete bottom with no cover. RCS saw several presumed newt tail drags. I saw a Wood Duck.

The girl at the Restaurant in Bolder Creek where we had lunch said that it hadn't rained for about a week.

2 mi. E. Hwy 9 on Bear Creek
Rd., Santa Cruz Co, Calif.

Early afternoon stopped

1970

8 Feb (07) Amphibian Collecting Trip
2 mi E Hwy 9 on Bear Creek Rd., Santa Cruz Co., Calif
here on the advice of a young fisherman who said he had found newts here. We found no Taricha. I found a nice adult ♂ Ensatina under an oak log 3 feet long and four inches in diameter. An adult ♀ Ensatina was found under a similar log about 25 yards away. A lot of bay here. RCS found two young Aneides flavipunctatus under an object on damp soil. Again conditions for Taricha seemed ideal but we didn't find any.

365.3 8.3 mi. W jct. Bear Creek Rd and Skyline on Bear Creek Rd., Santa Cruz Co., Calif.
Habitat much the same as previous stop. Searched for Aneides lugubris. RCS found

8 Feb 107 Amphibian Collecting Trip
8.3 mi. W jct with Skyline on Bear Creek Rd., Santa Cruz Co., Calif.
an adult and a juvenile under ~~the~~ a piece of bark on the sunny side of a downed oak tree. Four tail autotomizing slugs were also found under bark on the same log. A tenebrionid (stink) beetle had its head right at the tip of the tail of one of the slugs. Five Batrachoseps were also found under logs on the ground. One was a very young hatchling under a piece of bark on a 45° slope where the sun was beating down. It was quite damp underneath however.

8 Feb 1970 — 373.6 — 387.5

Col Amphibian Collecting Trip jct Skyline and Bear Creek Road.

On Skyline N. of Bear Creek Rd, Santa Clara Co., Calif.

Stopped 3:10-3:30 PM in Oakwoodland beside the road. Captured many Batrachoseps under logs and rocks. RCS got 3 Ensatina (1 was juv). Two immature Sceloporus occidentalis and an adult Eumeces were also captured. One of the Sceloporus was on a fence post the other under a piece of bark in an exposed area. The Eumeces was under a rock along the road bank. Many motorcycles and pleasure vehicles out on skyline today. Mature interior live oaks with many downed logs. Conditions seemed ideal for Aneides lugubris but none were found.

8 Feb 107 Amphibian Collecting Trip
Golden Gate Park, San Francisco,
San Francisco Co, Calif

Luis Bapteiste had told us before we left on our collecting trip that there were Red-legged Frogs to be found in Fern Lake in Fern Dell across from the Conservatory of Flowers (near the Aquarium). He also mentioned that they were in the middle of the chain of lakes. We checked both localities and although we did not see any frogs conditions appear quite favorable especially at the chain of lakes which is really little disturbed and "natural" chain of lakes site has a great deal of cover and leaf litter. Conditions look good for populations of modest size to be maintained.

We returned to Oakland and finished the trip by

8 Feb | 107 Amphibian Collecting Trip
Eating dinner at Denny's just
off the Powell Street exit
to the freway. No collecting
trip would be complete without
eating at a "Denny's"!

S. B. Ruth
1968-1971

Journal
1971

Calif: Kern, San Bernadino, Riverside,
Imperial, San Diego Cos.
Species List

Ruth, Stephen
1971

Reptile Collecting Trip

Berkeley en Route China Lake, Kern Co., Calif.

May 11

trip times, daylight savings time

1300 Left Berkeley with RCS on annual 165 and 107 trip to the desert for reptiles. Partly cloudy skies as we left

1750 Entering Bakersfield. Skies have been overcast all the way down. Few clear patches. Windy gusty at times. Hopefully the weather will clear up starting tomorrow so that we will have good collecting. Quite warm though - sort of a "thundershower feeling." According to a service station attendant in Bakersfield it's been windy, cold and rainy for about 2 weeks. He feels that it will be quite blustery in the desert. It was quite nice yesterday and the present overcast just came up today.

1905 Headed into Tehachapi pass area. Going straight into storm-laden skies frequent electrical discharges. Then a deluge and stop-spotty most be thunder heads. Visibility almost nil at times. Hail! Much of the lightening jumping from cloud to cloud. By Hart Flat we are out of the rain and the pavement is dry.

Tuth, Stephen
1971

Reptile Collecting Trip

May 11 — en route China Lake, Kern Co, Calif.
The ground is moist. Just barely sprinkeling.

May 12 — China Lake, Kern + San Bernardino Co, Calif
Spent the night at Bob and Kristine Berry's place at China Lake last night went out to Kristine's study area at Lone Butte in the southern end of the Argus Range just inside San Bernardino Co. RCS and Kristine spent the morning observing behavior from one of the lookouts while I hiked over the ridge to hunt reptiles. My luck was very poor. From 0900 - 1230 all I was
R 1390-1391 able to capture was 2 Cnemidophorus tigris
1392 - 1396 and 5 Uta stansburiana. I observed 1 large chuck which I did not attempt to collect as it was not far from the edge of the study area. I saw two collard lizards and numerous Uta which I was unable to capture. I worked the lower slope of the ridge and did not get down onto the flats. Creosote looks very lush here now and is in bloom. The slope was North facing and was around 30°.

Ruth, Stephen
1971

Reptile Collecting Trip

China Lake, Kern & San Bernardino Co, Calif.

May 12 Weather: we had warm temperature and clear skies this morning. scattered clouds by noon time -(fluffy cotton like). A gentle breeze blew intermittently.

RCS and Kristine watched courtship in chucks this morning. RCS made movies of a desert tortoise walking past close to the lookout. Also filmed "jaw wiping by a young ♂ chuck close to the lookout. One young ♀ chuck approached the lookout and looked in several times. Kristine feels that chucks - especially young ones - are "curious."

Rattlesnake bush growing on the hillside. Saw Wilsons warblers this morning as well as desert sparrows.

On the way back to the car

1397-98 at about 1245 I noosed two Dipsosaurus dorsalis. Both were quite warm and up on rocks when first observed. The first dropped off ~~and~~ the rock and was noosed at the entrance to a hole under the rock that it appeared reluctant to enter. It was noticed that one of the toes on ~~the~~ a hind foot was badly injured rather recently --- possibly in a

Reptile Collecting Trip

China Lake, Kern & ~~Riverside~~ San Bernardino Co.'s Calif.

May 12 fight. The second individual dropped down off of its rock also as I approached and displayed several times - I believe at me.

Uta were shy and quickly took refuge when approached.

I noticed two piles of burro or horse droppings (not fresh) and also some tracks near the base of the N. facing slope.

1330-1345 Departed from Kristine + Bob's - headed for Pisgah Crater via Hwy 395 south.

Additional notes on Kristine's study area. The ridge is composed of granite rock with some lava near the base. Sandy soil out on the flats.

Pisgah Crater, San Bernardino Co., Calif.

1610 Turned off Hwy 66 & 40 at Hector Road. Followed National Trails Highway paralleling the Freeway.

Weather scattered fluffy clouds. warm but not hot ≈ 85°F. Slight gentle breeze. Rained last night - sand all dented from rain drops. Sand moist

Reptile Collecting Trip

Pisgah Crater, San Bernardino Co., Calif.

May 12 below the surface. Excellent conditions for tracking.

Creosote scraggley and brown. Recent rain may revive it in several days. Gallita grass brown.

SBR 1399 1615 AOR *Phrynosoma platyrhinos* see sp. rect.

Collected among lava and sand from

SBR 1400-1403 1630 - 1830 Collected 4-5 *Uta*

1404-1406 *stansburiana*, 3 *Uma scoparia*, 1

1407 *Phrynosoma platyrhinos*, 1 *Callisaurus*

1408, 1409 *draconoides* and 1 *Arizona elegans*

The *Uta* are very dark which is not hard to understand as they live primarily on the black lava rock.

The *Uma* were not out in good numbers but 1 ♀ and 2 ♂'s were taken. The ventral surface of the tail and hind limbs had a washed yellow-green cast. None buried when frightened and one actively bobbed. Ran to cover under creosote bush or Gallita grass.

RCS noosed the *Callisaurus*.

RCS also captured the afore mentioned *Phrynosoma* after photographing it.

I captured the *Arizona* in a

Ruth, Stephen
1971

Reptile Collecting Trip

Pisgah Crater, San Bernardino Co., Calif.

May 12 retreat beneath a small lava rock to which I had tracked it. See R.C.S. sp. acct. this day for full details.

No chucks were observed. This seemed strange as it was still warm without being overly hot. Several Crotaphytus were spotted but we did not attempt to capture them.

I came upon an adult ♂ Gopherus agassizi tucked (withdrawn) into its shell at the base of a clump of Gallita grass. It made a hissing sound as I approached - probably as it pulled more tightly into its shell. The carapace and plastron were smooth as many of the growth rings had been worn away. Several other tortoise tracks were seen in the sand during the afternoon.

We got back to the car at about 1830.

SBR 1410 1845 AOR Phrynosoma platyrhinos see sp. acct.
1411 1850 " " " " " "

Ruth, Stephen
1971

Reptile Collecting Trip

Night driving - Camp Irwin Rd. out of
May 12 Barstow, San Bernardino Co, Calif.
69.6 2010 jct Fort Irwin Rd and Hwy 58. Breezy few scattered clouds.

85.6 2105 Nothing !! thus far U turn headed back towards Barstow.

501.4 2130 back at jct Fort Irwin Rd and Hwy 58. No luck.

Night Driving Newberry to Pisgah San Bernardino
624.0 Co, Calif.
2205 Newberry
544.8 2240 Pisgah camping site.
Saw 3 kangaroo rats and 1 Coyote.

May 13 Pisgah Crater, San Bernardino Co, Calif.
Ate breakfast at the Sidewinder Cafe. Talked to a few people who live in the area. They reported a general rain last Thursday or Friday. Newberry itself hasn't had a good rain in 2 1/2 years. Local thundershowers along the mountains are common.

0830 - 1000 Waundered among lava and

Ruth, Stephen
1971

Reptile Collecting Trip

Pisgah Crater, San Bernardino Co., Calif.

May 13 dunes in the vicinity of jct. Pisgah Crater Rd and National Trails Hwy. The sky is overcast with high cirrus clouds. Collecting was rotten. Saw several *Cnemidophorus tigris* and *Uta stansburiana*

BR 1412-13 Nooseed two *Uma scoparia* on sand. One was photographed at the base of a creosote bush to which it had run when disturbed.

1414 A juvenile *Sauromalus obesus* was taken from a small pile of lava rock in a sandy area. The chuck was "fitted" in its crack until it could be grabbed and pulled out. It ~~looked~~ was emaciated. The tail was very shrunken and the backbone stood out. Very poor condition. There was almost no recent chuck sign in the area.

As one looks out over the landscape it takes on a brown cast given by the withered creosote. Bushes next to the road look good - probably due to additional water they receive as runoff from the roadway. Little sign on the sands this morning. No Sidewinder tracks seen on either day.

Ruth, Stephen
1971

Reptile Collecting Trip

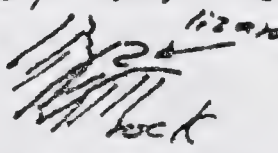
Pisgah Crater, San Bernardino Co., Calif.

May 13 We left in disgust at 1000.

Looked alongside the road for Crots on the way to Amboy but had no luck. Quite a bit of traffic on 66 also no place to pull off. Saw several Dips.

Amboy Crater, San Bernardino Co., Calif.

May 13 1210 back on the road after about an hours collecting. The area is going downhill. Creosote is on its last legs. Lots of sign of other collectors. Rock outcroppings are ringed by footprints. Freshly exposed lava surfaces are common where someone has gone after Chucks.

SBR 1415 I noosed a sub. ad. ♀ Sauromalus on a large lava outcropping 25' off the highway. She was sitting with the posterior portion of her body in a 60° ∠ lava crack  The head and fore quarters were exposed. It came out easily with the noose. This animal ~~dos~~ looks good. The tail is not wasted. The creosote next to the freeway is green.

SBR 1416 A Dipsosaurus was noosed from

Reptile Collecting Trip

Amboy Crater, San Bernardino Co., Calif.

May 13 within a rock pile it had run into as I walked up to it. It did not look real good... a bit on the thin side.

SBR 1417 At 1135 I spotted a Sidewinder coiled in a shady area between two rocks. The snake was resting peacefully - seemingly taking no notice of me so I walked back to the car and returned - taking it easily. It made several half-hearted strikes at the snake stick but didn't really become active until it had been the jar for several minutes. It too appeared thin.

1418 RCS noosed a Dipsosaurus and
1419 a Callisaurus.

Road from Amboy to 29 Palms

Bristol Dry Lake is being all torn up by the National Chloride Company. They are gouging out large channels for use in concentrating salts. The crust of the old dry lake is broken. The loss of large quantities of water in this way could ~~have~~ act to lower the water table thus affecting plants. The elevation of the town of Amboy

Reilly, Stephen
1971

Reptile Collecting Trip.

May 13 Amboy enroute 29 Palms, San Bernardino Co, Calif is 614'.

As we climb up out of Bristol Dry Lake toward the Sheep Hole mtns. the creosote is looking better. Not great but at least green and blooming.

SBR 1420 Sheep Hole mtns, San Bernardino Co, Calif 1330 noosed a smallish adult ♂ Chuck on the first rocky outcropping of the Sheep Hole mtns one encounters in driving from Amboy to 29 Palms. The animal had a red back and was fully exposed atop a granite boulder 15' above ground level. We left immediately.

1410 near crest of Sheep Hole mtns on slope towards 29 Palms. Leaving after stopping for about 45 min. Cats claw with only a few green branches - mostly dead. Gympson weed looks good next to the road but poor away. Smoke tree yellow ochre color not healthy looking. Little houses well up into mtns. Several hundred anyway on the south facing fan. Much vandelism. Windows

Reptile Collecting Trip

Sheephole mtns. San Bernardino Co, Calif.

May 13 broken in many. Houses only 15'x20' in size.

SBR 1421 Noosed an adult ♂ chuck atop a rocky ridge that RCS spotted with field glasses. When she saw me from a good ways off she flattened way down on the rock. I approached out of sight to within 10' when she saw me and stuck her head way up in the air. She did not move away but seemed to watch me. I got her on the 2'nd pass.

I also removed a juvenile and
1422-1423 a small adult ♂ chuck (red back partially regrown tail) from cracks in the granite rock outcroppings.

1424 A Callisaurus and a Dipsosaurus
1425 were also noosed at this spot.

Little houses scattered throughout the valley from the crest of the sheep Hole mtns all the way to 29 Palms. A cancer spreading via our circulatory system... roads. May nature and vandals do their work on these ticky-tacky structures. Little houses number several thousand.

Ruth, Stephen
1971

Reptile Collecting Trip

Steep Range to 29 Palms, San Bernardino Co., Calif.

May 13 Milkweed looks good - in bloom.

Western Hills Estates, Yucca Valley
San Bernardino Co., Calif.

~~at~~ 1500-1600 Hunted through the plush sub-division to be. Numerous massive weathered granite rock outcroppings.

SBR 1426-1428 Found 3 Sceloporus magister; 2 ad ♀'s and 1 ad ♂. Several others were seen and missed. Saw several Uta and several Chucks. S. magister are very wary running into cracks when we are still far (50 yds) off. All three which were caught were nooseed from cracks. All were first seen from the car as they were on top of rocks basking.

RCS took a picture of the back yard of one house that was a junk pile of cans and trash. - - Difficult to understand why a person would litter ones own living space.

Yucca Park, Morongo Valley, San Bernardino Co., Calif.

1645-1720 Turned Yucca logs.

BR 1429-31 Found 3 Xantusia vigilis and 1

Ruth, Stephen
1971

Reptile Collecting Trip

Yucca Park, Morongo Valley San Bernardino Co., Calif.

May 13
SBR 1432

Hypsiglena torquata. All were taken towards the end of our search. The area is very thickly grown with Joshua trees, much litter to turn.

Varner Dunes, Varner Road, Coachella Valley, Riverside Co., Calif.

SBR 1433-34

1845 Leaving the dunes. We got a Uma inornata during the time that we were here. The sun is getting quite low. A wind is blowing fairly stiffly and is blowing sand at times. The Uma were also wary. RCS grabbed one by hand after it tired due to our chasing it from one side of the dunes to another. The other, a magnificant adult was nosed under a creosote bush.

The dunes are laced by tire tracks. All but the biggest and toughest creosote bushes have been run over and will probably die soon as people continue to smash them. RCS took some pictures of the destruction. Why do people do this? Would it matter if they knew that the creosote could

Ruth, Stephen
1971

Reptile Collecting Trip

Varner dunes, Riverside Co., Calif.

May 13 be several hundred years old? Alot of trash - bottles, cans etc: has been strewn about.

As we came into the Coachella Valley mt. San Jacinto could barely be seen through the smog from the mouth of Morongo Pass.

Night Driving Hwy 78, Imperial Co., Calif.

warm night with a gentle breeze. Drove the road from about 10 mi. S.W. Glamas to about 12 mi NE Glamas. Sky with a few scattered clouds. Saw another car night driving.

SBR 1435 2230 7 mi. NE Glamis AOR *Phyllorhynchus decurtatus*

1436 2240 8 1/2 mi. NE Glamis AOR *Coleonyx variegatus*. Somehow missed by a truck and two cars that just went past.

Also picked up a good sized phasmid on the road. Two others seen.

2305 Camped off the rd. by a short ways from a historical marker 10 mi. NE Glamis. Moon is close to being full but didn't come up until

Ruth, Stephen
1971

Reptile Collecting Trip

Night driving Hwy 78 Imperial Co., Calif.

May 13 almost 2300.

Glamis Dunes, Imperial Co., Calif

May 14 0800-1100 Parked by the canal just south-west of the big dunes. Worked a creosote bush and dune area. Rather surprised at the number of Callisaurus well out into the dunes.

1437-39 We captured 3-4 (several ♂'s and at least 1 ♀). They used creosote and desert tea as cover.

1440-43 Uma notata were not as common as would be expected. Young were out in moderate numbers by 0800 and several were taken. The first large adult was seen at about 0945 on a large loose sand dune. The adult ♂ which I then noosed was basking on the sand surface at the spot where it had spent the night. The sand was hardly disturbed by its emergence. RCS suprised another nearby which ran for about 50 yards where it went into a hole under a creosote bush. Its tracks were highlighted by the morning sun and RCS took

Ruth, Stephen
1971

Reptile Collecting Trip

Glamis Dunes, Imperial Co, Calif

May 14 several pictures of them. As it ran over small sand ridges it left drag marks as if it had "put on the brakes" or slid over with its hind legs dangling. Other large *Uma notata* were observed but we were unable to capture any as they ran into holes as soon as they were disturbed. The ad. ♂ *Uma* had bright orange patches laterally on the ventral surface.

SBR 1444 A good sized *Crotalus cerastes* was found coiled in the sand in the sun - fully exposed - approx 6' from the base of a creosote bush. The creosote bush was large (7' tall or more) and healthy (leaves green not many dead branches). RCS got several photographs of it and then we bagged it. Again it was very sluggish and docil. We prodded it and tried to get it to move but it wouldn't budge or even rattle. It was quite easy to pick the snake up on the end of my noosing pole and drop it in the sack. The snake captured yesterday morning at Pisgah Crater was also quiet and took several minutes before seeming to be alert and aroused.

Ruth, Stephen
1971

Reptile Collecting Trip

Glamis Dunes, Imperial Co., Calif.

May 14 At 1100 we arrived back at the car and began driving SW on Hwy 78 looking for flat-tailed horned lizards. Traffic is common on the road and naturally irritating. We drove slowly along perhaps 5 miles seeing nothing but a few *Dipsosaurus* up in bushes beside the road. We then doubled back and drove to the lookout area in the big dunes for some fine sand. RCS got several photographs of dune buggy activity. It actually wouldn't be so bad if the dune buggies would restrict their activity to certain areas where there wasn't much vegetation. Respect for nature rather than running rough-shod over it is what is needed. RCS mentions that dune buggies running at night could harm *Uma notata* by running over them on the dunes while the lizards are buried.

1230 About 10 mi SW Glamis found a
SBR 1445 subadult-adult *Crotaphytus wislizenii* beneath a small creosote bush growing on the shoulder of the road. It was

Ruth, Stephen
1971

Reptile Collecting Trip

Glamis dunes, Imperial Co., Calif.

May 14 not in the sun at all. It bit me when I tried to take it off the noose.

On our way to Anza-Borrego State Park we made several stops on Hwy 86 between Westmorland and the jct. with Hwy 78. We stopped to check some small areas of sand dunes. Saw several Callisaurus. It was too hot to find Uma notata. The dunes also may not have been extensive enough for them.

100 yds E jct. Hwy 86 on Hwy 78
Imperial Co., Calif.

SBR 1446 1450 Adult ♀ Phrynosoma m'calli found at the base of a sign post in the shadow cast by the post. The sky is clear a gentle breeze is blowing. The lizard squatted down as I approached it. It was easily grabbed.

Hwy 78 just W. Anza Borrego State Park
San Diego Co., Calif

1610 - 1720 Collected the rocky slope north of the road just outside the west boundary of the park ≈ 1/2 mi.

Ruth, Stephen
1971

Reptile Collecting Trip

Hwy 78 1/2 mi W Anza Borrego State Park
San Diego Co., Calif.

May 14
SBR 1447
~~1446~~
1448

In my hours of searching I captured 1 Xantusia vigilis and 1 adult Crotaphytus collaris

The Xantusia vigilis was under the dead leafy basal portion of a yucca. Yucca are numerous on this south facing slope and some are in bloom having a yellow inflourescence.

The Crotaphytus collaris was atop a large 4' x 3' x 3' rock well up the slope. I attempted to noose the animal but it ran into a pile of small rocks from which I got it after some difficulty.

RCS came back with a nice

SBR 1449, 1450 Crotalus ruber, a Xantusia henshawi
1451 and a RCS 11784 Phyllodactylus xanti. He was also collecting the south facing slope.

This area too has signs of extensive collecting - - Rocks rolled and slabs peeled off the sides of large rocks.

Lutz, Stephen
1971

Reptile Collecting Trip

Night Driving Dillon Rd. out of Indio
Riverside Co, Calif.

May 14

	100.4	2040 jct Hwy 10 and Dillon Rd.
1452	01.0	2045 AOR Bufo cognatus - taken - several others seen - through date farm
1453	01.4	2050 AOR chionactis occipitalis
1454	02.8	2055 Coleonyx variegatus AOR - blunt tail.
	06.7	2115 U turn - head back toward Hwy 10.
BR 1455	07.9	2120 AOR Chionactis occipitalis moving rapidly across the road.
1456	10.3	2130 AOR Coleonyx tail partly regenerated.
1457	10.5	2135 AOR Coleonyx nice contrasting pattern - tail complete.
	13.2	2140 jct. Hwy 10 and Dillon rd. — went into Indio to pick up somethings to drink —
	20.6	2215 jct. Hwy 10 and Dillon rd.
1458	22.4	2220 AOR Coleonyx nice small animal with a good tail
—		2310 camped for the night off road to Joshua Tree National Monument

Ruth, Stephen
1971

Reptile Collecting Trip

Tramway Canyon Palm Springs, Riverside Co, Ca.

May 15 0830 - 1220 Spent the morning collecting the lower portion of the north-facing canyon wall. By 1100 I

SR 1459-60 ~~1460-62~~ had gotten 2 Streptosaurus mearnsi. Both were on massive vertical rock faces but were nooseed from 1-1½" wide vertical cracks in the granite rock. The sky is hazy but without clouds. One was a big adult ♂; the other was also a male but smaller though probably also adult. RCS also caught

1461-62 2 Streptosaurus which he nooseed from the rock faces. He took several pictures of banded rock lizards on their natural backgrounds using his 300 mm tele-photo lens. I found it best to work from above the lizards when trying to get them to go into cracks. If one works on them from below I find that they just keep on going up and up from rock to rock staying just out of range.

At about 0900 RCS found a

1463 Crotalus mitchelli out sunning which he nooseed. I was around 3' long and nicely marked. The spot was on about 15° of slope and 40' above the

Reptile Collecting Trip

Tramway Canyon Palm Springs Riverside Co. Ca

May 15 gully at the bottom of the slope beside the road. The snake was stretched out full length (body slightly undulated) along the edge of a rock. The snake lay quietly with a noose loosely placed around its neck for about 15 min. while I went for a jar only occassionally sticking out its tongue.

At 1130 we started driving the road looking for *Crotaphytus collaris*. Several were seen on rocks at the mouth of the canyon but were too wary to get. Also saw *Sceloporus magistr* (lower down) and *Sceloporus orcutti* (up higher) in the canyon basking on top of rocks.

We left the canyon at 1220. Some rocks were gathered for display purposes.

Downtown Palm Springs, Riverside Co., Calif.

1330 - 1415 Collected 4 *Uroscaurus*

1464-1467 *graciosus* on bushes on abandoned lots in downtown Palm Springs. I also got

1468 a *Dipsosaurus dorsalis* for my dad. *Dips* very common + tame across from Ruth Hardy Park.

Ruth Stephen
1971

May 15

Batrachoseps 5 mi. SE Redlands, San Ber

Stebbins hybrid swarm locality of Batrachoseps attenuatus and B pacificus. Still seems to be in good shape. A canyon pointed east on the left hand side of the road as one heads towards Palm Springs from Red The area has horses in it but is n run down. Coast live Oak, Elderberry growing here with some dead trees scattered throughout. Off Hwy 10

35.5 University street Redlands

32.1 Yucaipa Blvd off ramp

31.6 Overpass over freeway

29.6-7 look left see canyon.

Ruth, Stephen
1971

Reptile Collecting Trip

May 11-15

Species List

	pages
Sauromalus obesus	2, 3, 8, 9, 11, 12, 13
Cnemidophorus tigris	2, 6, 8,
Crotaphytus collaris	2, 20, 23
Uta stansburiana	2, 4, 5, 8, 13
Gopherus agassizi	3, 6
Dipsosaurus dorsalis	3, 4, 9, 10, 12, 18, 23
Phrynosoma platyrhinos	5, sp. acct.
Uma scoparia	5, 8
Callisaurus draconoides	6, 10, 12, 16, 19
Arizona elegans	5, RCS sp. acct., 6
Crotalus cerastes	10, 17
Sceloporus magistar	13, 23
Xantusia vigilis	13, 20
Hypsiglena torquata	14
Uma inornata	14
Phyllorhynchus decurtatus	15
Coleonyx variegatus	15, 21
Uma notata	16, 17, 18
Crotaphytus wislizenii	18
Phrynosoma m'calli	19
Xantusia henshawi	20
Crotalus ruber	20
Phyllodactylus xanti	20
Bufo cognatus	21
Chionactis occipitalis	21
Streptosaurus mearnsi	22
~~Eumeces mitchelli~~	~~22~~

Ruth Stephan
1971

Reptile Collecting Trip

May 11-15 Species list cont.

Sceloporus occidentalis 23
Crotalus mitchelli 22,23
Urosaurus graciosus 23

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